

APPENDIX B

DEMAND MANAGEMENT MEASURES

- 2009 and 2010 CUWCC BMP Reports
- AB 1420 Tables
- Western's Meter Testing and Replacement Policy
- Ordinance 375

2009 Retail Area CUWCC BMP Report

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

Base Year Data

[Link to FAQs](#)

Reporting Unit **Base Year**

What is your reporting period?

Base Year

BMP 1.3 **Metering**

Number of unmetered accounts in Base Year

BMP 3.1 & BMP 3.2 & BMP 3.3 **Residential Programs**

Number of Single Family Customers in Base Year

Number of Multi Family Units in Base Year

BMP 3.4 **WaterSense Specification (WSS) Toilets**

Number of Single Family Housing Units constructed prior to 1992

Number of Multi Family Units prior to 1992

Average number of toilets per single family household

Average number of toilets per multi family household

Five year average resale rate of single family households

Five-year average resale rate of multi family households

Average number of persons per single family household

Average number of persons per multi family household

BMP 4.0 & BMP 5.0 **CII & Landscape**

Total water use (in Acre Feet) by CII accounts

Number of accounts with dedicated irrigation meters

Number of CII accounts without meters or with Mixed Use Meters

Number of CII accounts

Comments:

The fields in red are required.

Agency name:

Primary contact:

First name:

Division name
(Reporting unit)

Last name:

Reporting unit number:

Email:



WATER SOURCES

2009

Service Area Population:

Potable Water

Own Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
------------------------	---------	-------------------	--------------------------

Imported Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
-----------------------------	---------	-------------------	--------------------------

AF/YEAR

Exported Water Name	AF/YEAR	Where Exported?
---------------------	---------	-----------------

The fields in red are required.

Agency name:

Division name
(Reporting unit)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:



2009

Service Area Population:

Non- Potable Water

If you select Other for type, enter

Own Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
------------------------	---------	-------------------	--------------------------

Imported Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
-----------------------------	---------	-------------------	--------------------------

AF/YEAR

Exported Water Name	AF/YEAR	Where Exported? such as groundwater recharge, retail, etc.
---------------------	---------	--

Customer Type	Meter Accounts	Metered Water Delivered	Un-metered Accounts	Un-metered Water Delivered	Description
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Customer Type	Meter Accounts	Metered Water Delivered	Un-metered Accounts	Un-metered Water Delivered	Description
Residential	12,345	1,234,567,890	5,678	56,789,012	Single-family homes, duplexes, and townhomes.
Commercial	3,456	345,678,901	1,234	12,345,678	Offices, retail stores, and restaurants.
Industrial	1,234	123,456,789	567	5,678,901	Manufacturing plants and processing facilities.
Municipal	2,345	234,567,890	1,234	12,345,678	City and town government buildings.
Public Works	1,234	123,456,789	567	5,678,901	Public works departments and utilities.
Other	567	56,789,012	234	2,345,678	Other miscellaneous customers.
Total	20,771	2,000,000,000	8,713	87,843,170	

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[See the complete MOU:](#)

[View MOU](#)

[See the coverage requirements for this BMP:](#)



Conservation Coordinator

Conservation Coordinator Yes No

Contact Information

First Name

Last Name

Title

Phone

Email

Note that the contact information may be the same as the primary contact information at the top of the page. If this is your case, excuse the inconvenience but please enter the information again.

Water Waste Prevention

Water Agency shall do one or more of the following:

- Enact and enforce an ordinance or establish terms of service that prohibit water waste
- Enact and enforce an ordinance or establish terms of service for water efficient design in new development
- Support legislation or regulations that prohibit water waste
- Enact an ordinance or establish terms of service to facilitate implementation of water shortage response measures
- Support local ordinances that prohibit water waste
- Support local ordinances that establish permits requirements for water efficient design in new

To document this BMP, provide the following:

- A description of, or electronic link to, any ordinances or terms of service
- A description of, or electronic link to, any ordinances or requirements adopted by local jurisdictions or regulatory agencies with the water agency's service area.
- A description of any water agency efforts to cooperate with other entities in the adoption or enforcement of local requirement
- description of agency support positions with respect to adoption of legislation or regulations

You can show your documentation by providing files, links (web addresses), and/or entering a description.



File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

Enter a description:

2009

BMP 1.1 Operations Practices

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[View MOU](#)



2009

BMP 1.2 Water Loss Control

Did your agency complete a pre-screening system audit in 2009?

Yes

No

If yes, answer the following:

Determine metered sales in AF:

Definition: other accountable uses not included in metered sales, such as unbilled water use, fire suppression, etc.



Determine system verifiable uses AF:

Determine total supply into the system in AF:

Does your agency keep necessary data on file to verify the answers above?

Yes

No

Did your agency complete a full-scale system water audit during 2009?

Yes

No

Does your agency maintain in-house records of audit results or the completed AWWA worksheet for the completed audit which could be forwarded to CUWCC?

Yes

No

Did your agency operate a system leak detection program?

Yes

No

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

2009

BMP 1.2 Water Loss Control

[View MOU](#)



AWWA Water Audit

Agency to complete a Water Audit & Balance Using The AWWA Software Yes No
Email to natalie@cuwcc.org - Worksheets (AWWA Water Audit). Enter the name of the file below:

Water Audit Validity Score
from AWWA spreadsheet

Agency Completed Training In The AWWA Water Audit Method Yes No ?
Agency Completed Training In The Component Analysis Process Yes No ?

Completed/Updated the Component Analysis (at least every 4 years)? Yes No ?
Component Analysis Completed/Updated Date

Water Loss Performance

Agency Repaired All Reported Leaks & Breaks To The Extent Cost Effective Yes No

Recording Keeping Requirements:

Date/Time Leak Reported	Leak Location
Type of Leaking Pipe Segment or Fitting	Leak Running Time From Report to Repair
Leak Volume Estimate	Cost of Repair

Agency Located and Repaired Unreported Leaks to the Extent Cost Effective Yes No
Type of Program Activities Used to Detect Unreported Leaks

Annual Summary Information

Complete the following table with annual summary information (required for reporting years 2-5 only)

Total Leaks Repaired	Economic Value Of Real Loss	Economic Value Of AppUFYbhLoss	Miles Of System Surveyed For Leaks	Pressure Reduction Undertaken for loss reduction	Cost Of Interventions	Water Saved (AF/Year)

Comments:

The fields in red are required.

Agency name:
Reporting unit name
(District name)

Reporting unit number:

Primary contact:
First name:
Last name:
Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.



BMP 1.3 Metering with Commodity

[Link to FAQs](#)

See the complete MOU: [View MOU](#)

See the coverage requirements for this BMP:

Implementation

Does your agency have any unmetered service connections?	Yes	No
If YES, has your agency completed a meter retrofit plan?	Yes	No
Enter the number of previously unmetered accounts fitted with meters during reporting year:		
Are all new service connections being metered?	Yes	No
Are all new service connections being billed volumetrically?	Yes	No
Has your agency completed and submitted electronically to the Council a written plan, policy or program to test, repair and replace meters?	Yes	No

Please Fill Out The Following Matrix

Account Type	# Metered Accounts	# Metered Accounts Read	# Metered Accounts Billed by Volume	Billing Frequency Per Year	# of estimated bills/yr
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Number of CII Accounts with Mixed-use Meters

Number of CII Accounts with Mixed-use Meters Retrofitted with Dedicated Irrigation Meters during Reporting Period

Feasibility Study

Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?	Yes	No
---	-----	----

If YES, please fill in the following information:

- A. When was the Feasiblity Study conducted
- B. Email or provide a link to the feasibility study (or description of):

File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

General Comments about BMP 1.3:

The fields in red are required.

Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.



2009

[Link to FAQs](#)

[View MOU](#)

BMP 1.4 Retail Conservation Pricing

If you are reporting more rate structures than this form allows, add the structures to a spreadsheet and send the file to natalie@cuwcc.org.

Implementation (Water Rate Structure)

Enter the Water Rate Structures that are assigned to the majority of your customers, by customer class

Rate Structure	Customer Class	Total Revenue	Commodity Charges	Total Revenue Customer Meter/Service (Fixed Charges)

Implementation Option (Conservation Pricing Option)

Use Annual Revenue As Reported
Use Canadian Water & Wastewater Association Rate Design Model

If CWWA is select, enter the file name and email the spreadsheet to natalie@cuwcc.org

Retail Waste Water (Sewer) Rate Structure by Customer Class

Agency Provide Sewer Service

Yes No

Select the Retail Waste Water(Sewer) Rate Structure assigned to the majority of your customers within a specific customer class.

Rate Structure	Customer Class	Total Revenue	Commodity Charges	Total Revenue Customer Meter/Service (Fixed Charges)

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

[View MOU](#)

2009

BMP 2.1 Public Outreach - Retail Reporting

Is a Wholesale Agency Performing Public Outreach?

Are there one or more wholesale agencies performing public outreach which can be counted to help your agency comply with the BMP?

Yes No

Enter the name(s) of the wholesale agency (comma delimited)

Is your agency performing public outreach?

Report a minimum of 4 water conservation related contacts your agency had with the public during the year.

Public Information Programs List

Did at least one contact take place during each quarter of the reporting year?

Number of Public Contacts		Public Information Programs	

Contact with the Media

Are there one or more wholesale agencies performing media outreach which can be counted to help your agency comply with the BMP?

Yes No

Enter the name(s) of the wholesale agency (comma delimited)

OR Retail Agency (Contacts with the Media)

Did at least one contact take place during each quarter of the reporting year?

Media Contacts List

Number of Media Contacts	Did at least one contact take place during each quarter of the reporting year?	Media Contact Types	

Is a Wholesale Agency Performing Website Updates?

Did one or more CUWCC wholesale agencies agree to assume your agency's responsibility for meeting the requirements of and for CUWCC reporting of this BMP? Yes No

Enter the name(s) of the wholesale agency (comma delimited)

Is Your Agency Performing Website Updates?

Enter your agency's URL (website address):

Describe a minimum of four water conservation related updates to your agency's website that took place during the year:

Did at least one Website Update take place during each quarter of the reporting year? Yes No

Public Outreach Annual Budget

Enter budget for public outreach programs. You may enter total budget in a single line or brake the budget into discrete categories by entering many rows. Please indicate if personnel costs are included in the entry.

Category	Amount		Personnel Costs Included? If yes, check the box.	Comments	

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

2009

BMP 2.1 Public Outreach Cont'd

[View MOU](#)

Public Outreach Expenses

Enter expenses for public outreach programs. Please include the same kind of expenses you included in the question related to your budget (Section 2.1.7, above). For example, if you included personnel costs in the budget entered above, be sure to include them here as well.

Expense Category	Expense Amount	Personnel Costs Included?	
If yes, check the check box.			

Additional Public Information Program

Please report additional public information contacts. List these additional contacts in order of how your agency views their importance / effectiveness with respect to conserving water, with the most important/ effective listed first (where 1 = most important).

Were there additional Public Outreach efforts? Yes No

Public Outreach Additional Information

Public Information Programs	Importance	

Social Marketing Programs

Branding

Does your agency have a water conservation "brand," "theme" or mascot? Yes No

Describe the brand, theme or mascot.

Market Research

Have you sponsored or participated in market research to refine your message? Yes No

Market Research Topic

Brand Message

Brand Mission Statement

Community Committees

Do you have a community conservation committee? Yes No

Enter the names of the community committees:

Training

Training Type	# of Trainings	# of Attendees	Description of Other	

Social Marketing Expenditures

Public Outreach Social Marketing Expenses

Expense Category	Expense Amount	Description	

Partnering Programs - Partners

Name	Type of Program
	CLCA?
	Green Building Programs?
	Master Gardeners?
	Cooperative Extension?
	Local Colleges?
	Other

Retail and wholesale outlet; name(s) and type(s) of programs:

Partnering Programs - Newsletters

Number of newsletters per year

Number of customers per year

Partnering with Other Utilities

Describe other utilities your agency partners with, including electrical utilities

Conservation Gardens

Describe water conservation gardens at your agency or other high traffic areas or new

Landscape contests or awards

Describe water wise landscape contest or awards program conducted by your agency

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

[View MOU](#)

2009

BMP 2.2 School Education Programs, Retail Agencies

School Programs

Is a wholesale agency implementing school programs which can be counted to help your agency comply with this BMP?

Yes No

Enter Wholesaler Names, separated by commas:

Materials meet state education framework requirements?

Description of Materials

Materials distributed to K-6 Students?

Description of materials distributed to K-6 Students

Number of students reached

Materials distributed to 7-12 Students?

Description of materials distributed to 7-12 Students

Number of Distribution

Annual budget for school education program

Description of all other water supplier education programs

School Program Activities

Classroom presentations:

Number of presentations

Number of attendees

Large group assemblies:

Number of presentations

Number of attendees

Children's water festivals or other events:

Number of presentations

Number of attendees

Cooperative efforts with existing science/water education programs (various workshops, science fair awards or judging) and follow-up:

Number of presentations

Number of attendees

Other methods of disseminating information (i.e. themed age-appropriate classroom loaner kits):

Description

Number distributed

Staffing children's booths at events & festivals:

Number of booths

Number of attendees

Water conservation contests such as poster and photo:

Description

Number distributed

Offer monetary awards/funding or scholarships to students:

Number Offered

Total Funding

Teacher training workshops:

Number of presentations

Number of attendees

Fund and/or staff student field trips to treatment facilities, recycling facilities, water conservation gardens, etc.:

Number of tours or field trips

Number of participants

College internships in water conservation offered:

Number of internships

Total funding

Career fairs/workshops:

Number of presentations

Number of attendees

Additional program(s) supported by agency but not mentioned above:

Description

Number of events (if applicable)

Number of participants

Total reporting period budget expenditures for school education programs (include all agency costs):

Comments

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[View MOU](#)

2009

BMP 3 Residential

Traditional (Sections A - D)

Flex Track (All Sections)

For Traditional Track please answer the fields within the traditional boxes.

For Flex Track option, please answer the fields within the flex track boxes.

You must enter all measured water savings manually. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings were measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data points also requested in form which are necessary to show that the measure was implemented as described.

A) Residential Assistance / Leak Detection

	Single Family	Multi Family	Total Water Savings AF/YR	Measured Water Savings AF/YR
Flex Track	Traditional		Total Number of Accounts	
			Total Number of Participants Overall	
			Total Number of Leak Det Surveys	
			Total Number of Showerheads	
			Total Number of Faucet Aerators	
			Total Number of Landscape Water Survey	
			Number of Other Components	
			Description of Other Components Distributed	
If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)				

B) High Efficiency Clothes Washers (HECWs)

Flex Track	Traditional	Number of incentives for HECWs with an AVERAGE Water Factor of 5.0		Measured water savings (AF/Year)
		Are Financial incentives provided for HECWs ?		
		Yes	No	
		Has your Agency completed a HECW Market Penetration Study (this question does not impact your coverage report, purely informational)		
		Yes	No	
HECW Market Penetration Study Documents (Enter the file name and Email file to Natalie@cuwcc.org)				

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

C) WaterSense Specification (WSS) Toilets

(Agency must complete information for at least one coverage option (For Traditional 1, 2, or 3; For Flex Tarck 1, 2, 3, or 4).
You are encouraged to include information on other coverage options, as available.
If seeking credit for additional water savings, you must select Flex Track option)

Traditional

1. Retrofiton Resale Ordinanceis in Place

Yes

No

If Yes, Choose A File (Enter the file name and Email file to Natalie@cuwcc.org)

2. A 75% Market Saturation Achieved

Yes

No

If yes, Choose A File (Enter the file name and Email file to Natalie@cuwcc.org)

3. WSS Toilets Installed

Single Family

Multi Family

Number of WSS Toilets Installed

Measured Water Savings AF/YR

4. Non-WSS Toilets

Single Family

Multi Family

Type of Toilets

Number of Toilets

Water Savings

Number of Toilets

Water Savings

Description of Other Non-WSS Type of Toilets

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org

Flex Track

D) WSS for New Residential Development

(Agency must complete information for at least one coverage option.You are encouraged to include information on other coverageoptions, as available. If seeking credit for additional water savings you must select the Flex Track option)

Traditional

	Single Family		Multi Family	
Residential development Rebates	Yes	No	Yes	No
Recognition Programs	Yes	No	Yes	No
Reduced connection Fees	Yes	No	Yes	No
Ordinances	Yes	No	Yes	No

New Development Ordinance
(Enter the file name and Email file to Natalie@cuwcc.org)

Number of new Single Family Units built in Service Area

Number of new Multi Family Units built in Service Area

In the following table, enter one row for each incentive typr program you offer

List of Incentive Amount

Incentive Type	Incentive Amount	Number of WSS fixtures installed	Number of Participating		Measured Water Savings	
			Single Family	Multi Family	Single Family	Multi Family

Flex Track

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

For Traditional Option, Stop Here, do not go further.
For Flex Track Option, please continue...

Flex Track Menu Options

In addition to the measures on the BMP List, the Flex Track menu options may be implemented to meet the savings goal for this BMP. Fill in the water savings measures that your agency has implemented.

**E) High bill contact with single-family
and multi-family customers**

**Measured
water savings
(AF/Year)**

Select the Types of Contact:

Email

Phone

Letter

Others (describe)

Upload sample of contact contents (email, letter, etc.)

– if applicable; enter the file name and email file to Natalie@cuwcc.org

Who initiated the contact:

(Please Specify customer, agencies, or both)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

(Enter the file name and Email file to Natalie@cuwcc.org)

**F) Educate residential customers about the
behavioral aspects of water conservation**

**Measured
water savings
(AF/Year)**

**Select types of educational
methods used:**

Events

Customers Reached

Workshop

Community Event

Letter

On-Site Visit

Phone Call

Water Survey

Website Hit

Door Hanger

Other (Describe)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

(Enter the file name and Email file to Natalie@cuwcc.org)

**G) Notify residential customers of leaks on the
customer's side of the meter**

Measured
water savings
(AF/Year)

Type of Notification (Describe)

How many were sent out?

Upload sample notification method(email, letter, etc.) – if applicable

(Enter the file name and Email file to Natalie@cuwcc.org)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

(Enter the file name and Email file to Natalie@cuwcc.org)

H) Provide bill or surcharge refunds for customers to repair leaks on the customer's side of the meter.

AYUgj fYX
k UHYf'gUj]b[g
fB: #WUfL

Number of Leaks Repaired

Number of bill adjustments/credits/refunds provided

Describe here or upload a document with a policy description below:

Upload file describing Policy (Enter the file name and Email file to Natalie@cuwcc.org)

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org

I) Provide unique water savings fixtures that are not included in the BMP list above

Fixture or Device

Description

Quantity Installed

Measured water
savings (AF/YR)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

J) Install residence water use monitors.

Type of Monitor	6 fUbX	Number Installed	Measured water savings (AF/Year)
Dashboard			
Leak Detector			
Data Logger			

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

K) Participate in programs that provide residences with school water conservation kits.

Number of Kits Distributed			
Kit contents (including model of fixtures)			
List of what was actually installed in the homes (number of showerheads, aerators etc.).			Measured water savings (AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

L) Implement an automatic meter reading program for residential customers.

AMR or AMI	Type of Network		
Number of connections installed			Measured water savings (AF/Year)
Is your agency using these to contact high water-use customers?			

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

OTHER Types of Measures.

Type of Program

Sample / Description

Measured Water Savings (AF/YR)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

Comments

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

2009

[Link to FAQs](#)

[View MOU](#)

BMP 4 CII

Traditional
(Section A - L)

Flex Track
(All Sections)

For Traditional Track please answer the fields within the traditional boxes.

For Flex Track option, please answer the fields within the flex track boxes.

You must enter all measured water savings manually in the summary cells on the right. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings was measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data points also requested in the flex track data entry form which are necessary to show that the measure was implemented as described.

CII Type of measure implemented

Traditional

A) High - Efficiency Toilets.

Number

Type of program Select an Option

Other type of
program

Measured
water savings
(AF/Year)

Flex Track

Do you accept the Council's
default savings number Yes No
for this measure?

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water
Savings 0.041748
AF per device

B) High - Efficiency Urinals (0.5 gpf)

Flex Track	Traditional	Number	Measured water savings (AF/Year)
		Type of program	
		Other type of program	
		Do you accept the Council's default savings number for this measure?	Yes No
		If not, Please provide the following	
		Total Measured Water Savings(AF/Year)	
		Measure life (years)	
		Lifetime water savings (years)	
		If you are using your own water-savings measure, send your supporting spreadsheet	
		Enter the file name and Email to Natalie@cuwcc.org	
		Council's Annual Water Savings 0.069086 AF per device	

C) Ultra Low Volume Urinals (0.125 gpf)

Flex Track	Traditional	Number	Measured water savings (AF/Year)
		Type of program	
		Other type of program	
		Do you accept the Council's default savings number for this measure?	Yes No
		If not, Please provide the following	
		Total Measured Water Savings(AF/Year)	
		Measure life (years)	
		Lifetime water savings (years)	
		If you are using your own water-savings measure, send your supporting spreadsheet	
		Enter the file name and Email to Natalie@cuwcc.org	
		Council's Annual Water Savings 0.080603 AF per device	

D) Zero Consumption Urinals (0.0 gpf)

Flex Track	Traditional	Number	Measured water savings (AF/Year)
		Type of program	
		Other type of program	
		Do you accept the Council's default savings number for this measure?	Yes No

Flex Track

If not, Please provide the following:
Total Measured Water Savings(AF/Year)
Measure life (years)
Lifetime water savings (years)
If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water
Savings 0.0921146
AF per device

E) Commercial High - Efficiency Single Load Clothes Washers

Traditional

Number
Type of program
Other type of
program

**Measured
water savings
(AF/Year)**

Flex Track

Do you accept the Council's
default savings number for Yes No
this measure ?
If not , Please provide the following:
Total Measured Water Savings(AF/Year)
Measure life (years)
Lifetime water savings (years)
If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water
Savings 0.116618
AF per device

F) Cooling Tower Conductivity Controllers.

Traditional

Number
Type of program
Other type of
program

**Measured
water savings
(AF/Year)**

Flex Track

Do you accept the Council's
default savings number for Yes No
this measure ?
If not, Please provide the following:
Total Measured Water Savings(AF/Year)
Measure life (years)
Lifetime water savings (years)
If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water
Savings 1.032250
AF per device

G) Cooling Tower pH Controllers

	Traditional	Flex Track	Measured water savings (AF/Year)
	<p>Number</p> <p>Type of program</p> <p>Other type of program</p>		
	<p>Do you accept the Council's default savings number for this measure ? Yes No</p> <p>If not, Please provide the following:</p> <p>Total Measured Water Savings(AF/Year)</p> <p>Measure life (years)</p> <p>Lifetime water savings (years)</p> <p>If you are using your own water-savings measure, send your supporting spreadsheet</p> <p>Enter the file name and Email to Natalie@cuwcc.org</p>		<p>Council's Annual Water Savings 3.981543 AF per device</p>

H) Connectionless Food Steamers.

	Traditional	Flex Track	Measured water savings (AF/Year)
	<p>Number</p> <p>Type of program Select an Option</p> <p>Other type of program</p>		
	<p>Do you accept the Council's default savings number for this measure ? Yes No</p> <p>mIf not, Please provide the following:</p> <p>Total Measured Water Savings(AF/Year)</p> <p>Measure life (years)</p> <p>Lifetime water savings (years)</p> <p>If you are using your own water-savings measure, send your supporting spreadsheet</p> <p>Enter the file name and Email to Natalie@cuwcc.org</p>		<p>Council's Annual Water Savings 0.25 AF per Steamer Compartment</p>

I) Medical Equipment Steam Sterilizers

	Traditional	Flex Track	Measured water savings (AF/Year)
	<p>Number</p> <p>Type of program Select an Option</p> <p>Other type of program</p>		

Flex Track

Do you accept the Council's default savings number for this measure? Yes No

Council's Annual Water Savings 1.538 AF per device

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org

J) Water - Efficient Ice Machines.

Traditional

Number

Type of program Select an Option

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure ? Yes No
If not, Please provide the following:

Council's Annual Water Savings 0.0834507 AF per device

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org

K) Pressurized Water Brooms.

Traditional

Number

Type of program Select an Option

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure? Yes No

Council's Annual Water Savings 0.1534 AF per device

Flex Track

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

L) Dry Vacuum Pumps.

Traditional

Number

Type of program Select an Option

Other type of
program

**Measured
water savings
(AF/Year)**

Flex Track

Do you accept the Council's
default savings number for
this measure ? Yes No

If not, Please provide the following:

Council's Annual Water
Savings 0.064
AF per device

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Traditional Reporting Stop Here, Do not continue

Flex Track Reporting Please Continue...

M) Industrial Process Water Use Reduction.

Number

Type of program

Other type of
program

**Measured
water savings
(AF/Year)**

Type of Process
Water Reduced

If re-using water,
what was the secondary
use of the water?
(such as pre-rince
cycle or landscaping)

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

N) Commercial Laundry Retrofits.

Number of customers				Measured water savings (AF/Year)
Type of customer	hotels campuses prisons laundromats			
Lease / own machines	Lease	Own Machines	Both	
Type of program	Select an Option			
Other type of program				

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

O) Industrial Laundry Retrofits.

Total Number of customers				Measured water savings (AF/Year)
Total Volume of laundry processed annually	Select an Option			
Type of program	Select an Option			

Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

P) Filter Upgrades (for pools, spas, and fountains).

Number of pools
upgraded

Number of spas
upgraded

Number of
fountains
upgraded

Type of program Select an Option

Other type of
program

**Measured
water savings
(AF/Year)**

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Q) Car Wash Reclamation Systems

**Measured
water savings
(AF/Year)**

	Conveyor	In-bay
Total Number of program participants (accounts)		
Total Number of vehicles washed annually		
Do you accept the Council's default savings number for this measure?	Yes No	
If not, Please provide the following:		
Total Measured Water Savings(AF/Year)		
Measure life (years)		
Lifetime water savings (years)		
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org		

Council's Annual Water Savings 0.00004607 (or 15 gals) per vehicle

R) Wet Cleaning.

Brief description of program	Measured water savings (AF/Year)
Total Measured Water Savings(AF/Year)	
Measure life (years)	
Lifetime water savings (years)	
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org	

S) Water Audits (To avoid double counting, do not include device/replacement water savings.)

Number of water audits by type of business	Measured water savings (AF/Year)
Auto	
Food	
Health	
Hotels	

Manufacturing
Membership
Multi-use
Office
Religious
Restaurant
Retail/
Wholesale
School
Other (with
description)
Description of
Other

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

T) Clean In Place (CIP) Technology
(such as bottle sterilization in a beverage processing plant)

**Measured
water savings
(AF/Year)**

Number of
customers
Type of program
Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org

U) Waterless Wok

Number	Measured water savings (AF/Year)
Type of program	

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org

V) Alternative On-site Water Sources
(For Rain Water Harvesting, commercial
rain barrels are excluded. For Foundation Drain
Water, exclude permeable paving.)

Measured
water savings
(AF/Year)

Select type	Number	Description
Cooling Condensate		
Foundation Drain Water		
Gray Water		
Storm Water		
Rain Water		
Pond and Water Feature Recycling		

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

W) Sub - metering

Measured water savings (AF/Year)

Select type	Number	Description
Condominiums		
Apartments		
Mobile Homes		

Do you accept the Council's default savings numbers for this measure?	Yes	No
---	-----	----

Council's Annual Water Savings
Appartments & Condos=0.024419 AF/YR
Mobile Home = 0.056774 AF/Yr

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

X) High Efficiency Showerheads

Measured water savings (AF/Year)

Number

Type of program

Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Y) Faucet Flow Restrictors

**Measured
water savings
(AF/Year)**

Number

Type of program

Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Z) Water Efficient Dishwashers

**Measured
water savings
(AF/Year)**

Select type	Number
Rack	
Conveyor	
Other	
Description of Other	
Type of program	Select an Option

Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

AA) Hot Water on Demand

**Measured
water savings
(AF/Year)**

Number

Type of program

Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

BB) Pre-rinse Spray Valves of 1.3 gpm (gallons per minute) or less

**Measured
water savings
(AF/Year)**

Number

Type of program

Other type of
program

Total Measured Water Savings(AF/Year)
Measure life (years)
Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

CC) Central Flush Systems

	Measured water savings (AF/Year)
Number	
Type of program	
Other type of program	

Total Measured Water Savings(AF/Year)
Measure life (years)
Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Other Measures chosen by the Agency

	Measured water savings (AF/Year)
Description of program	
Sample (if applicable)	

Total Measured Water Savings(AF/Year)
Measure life (years)
Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org



The fields in red are required.

Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

2009

BMP 5 Landscape

[Link to FAQs](#)

[View MOU](#)

Traditional

Flex Track

For Traditional Track please answer the fields within the traditional boxes.

For Flex Track option, please answer the fields within the flex track boxes.

You must enter all measured water savings manually. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings were measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data point also requested in form which are necessary to show that the measure was implemented as described.

Accounts with Dedicated Irrigation Meters

Traditional

Number of dedicated irrigation meter accounts

Number of dedicated irrigation meter accounts
with water budgets

Aggregate water use for dedicated non-recreational
landscape accounts with budgets

Aggregate acreage assigned water budgets for dedicated
non-recreational landscape accounts with budgets

Preserved water use records and budgets for
customers with dedicated landscape
irrigation accounts for at least four years

Yes No

Flex Track

Water Savings from Accounts with dedicated irrigation
meters with water budgets (Acre Feet)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

Technical Assistance

Traditional

Number of Accounts 20% over-budget

Number of accounts 20% over-budget
offered technical assistance

Number of accounts 20% over-budget
accepting technical assistance

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

Flex Track

Measured
water savings
(AF/Year)

Irrigation Water Use Surveys for Mixed-use and Un-metered Accounts

Traditional	Number of mixed use and un-metered accounts			Measured water savings (AF/Year)
	Number of irrigation water use surveys offered (cumulative, all years)			
	Number of irrigation water use surveys accepted (cumulative)			
	Can your Agency estimate the amount of landscape acreage for mixed use and Un-metered accounts		Yes No	
	If Yes, Aggregate acreage for mixed use and Un-metered accounts			
Flex Track	Esrimated water demand from acreage for mixed use and Un-metered accounts			
	Annual water savings by customers receiving irrigation water savings surveys and implementing recomendations			
	If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)			

Financial Incentives

Traditional	Have you implemented and maintained an irrigation equipment retrofit incentive program?			Yes No	Measured Water Savings (AF/YR)
	Number of incentives	Dollar value of incentives	Incentive Types		
Flex Track					
If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)					

Traditional Reporting Stop Here, Do not continue
Flex Track Reporing Please Continue...

Landscape Flex Track Measure Types

1. Monitor and report on landscape water use

- A) Measure landscapes and develop water budgets for customers with dedicated landscape meters. Provide timely water use reports with comparisons of water use to budget that provide customers the information they need to adjust irrigation schedules (such as faxes, twitter, etc. not included in the previous sections).**

**Measured
water savings
(AF/Year)**

Enter the Number of sites with:

Dedicated Mixed Meters

Water Budgets

Landscape Measurements

Others (describe)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

- B) Measure landscapes and develop water budgets for customers with Mixed Use meters. Provide timely water use reports with comparisons of water use to budget that provide customers the information they need to adjust irrigation schedules.**

**Measured
water savings
(AF/Year)**

Enter the Number of sites with:

Dedicated Mixed Meters

Water Budgets

Landscape Measurements

Others (describe)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

- C) Establish agency-wide water budget. (Note that: ETo based water budget in the MWELo changed in 2010 from .8ETo to .7ETo.)**

Agency-wide total irrigated area

(Acres)

**Measured
water savings
(AF/Year)**

Amount of Water Used

(AF/Acre)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

D) Establish agency-wide, sector-based irrigation goal to reduce water use, based on seasonality.

Number of minimum irrigation goal	(AF/Acre)	Measured water savings (AF/Year)
Amount of Water Used per Period	(AF/Period)	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

2. Provide technical landscape resources and training

A) Upon customer requests, provide landscape irrigation management and landscape design information and resources: provide assistance, answer customer questions, respond to run-off and high-bill calls.

Enter the Number of:	Measured water savings (AF/Year)
Contacts In Person	
Contacts over the phone	
Contacts via Email	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

B) Perform landscape & irrigation audits: including irrigation scheduling, plant information, and landscape area measurement.

Enter the Number of:	Measured water savings (AF/Year)
Audits conducted per year	
Measurement of square footage of Turf areas	
Measurement of square footage of NON Turf areas	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

C) Sponsor, co-sponsor, promote, or support landscape workshops, training, presentations and other technical educational events for homeowners and professionals: design, installation, maintenance, water management.

Enter the Number of:

Events

Participants

List Type or
Title of Events

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

D) Establish Time-of-Day Irrigation Restrictions.

Yes No

Describe Restrictions:

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

E) Establish Day-of-Week Irrigation Restrictions.

Yes No

Describe Restrictions:

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

3. Provide incentives

A) Establish Landscape budget-based rates.

YesNo

Describe Rates:

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

B) Provide incentives for conversions from mixed-use meters to dedicated landscape meters.

Measured
water savings
(AF/Year)

Number of Conversions:

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

C) Provide incentives for installing sub-meters to separate landscape water use

Number of meters installed:

AYUgj fYX
k UHYf'gUJ]b[g
fE: #WUfL

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

D) Provide incentives for irrigation equipment upgrades that improve distribution uniformity, irrigation efficiency, or scheduling capabilities.

Select types of irrigation
equipment upgrades:

Number of devices
installed

Measured
water savings
(AF/Year)

Controllers

Emitters

Soil moisture sensors

Pressure Regulators

Rain shut off devices

Other (describe)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

E) Provide incentives for the reduction of water use over an irrigated area, or reduction in the size of the irrigated area due to replacement of turf or other high water-using plants with low water-using plants, artificial turf, or permeable surfaces.

Acreage of live turf converted to low water-using plants, artificial turf, or permeable surfaces:	Acres	Measured water savings (AF/Year)
---	-------	----------------------------------

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

F) Provide incentives for conversions from potable to recycled water.

Number of Conversions:	Measured water savings (AF/Year)
Number of Incentives:	
Funds Invested:	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

G) Provide incentives for the use of alternative sources of water in the landscape (i.e. gray water, rainwater, cisterns, etc.)

Number of Conversions:	Measured water savings (AF/Year)
Number of Incentives:	
Funds Invested:	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

4. Participate in local and regional planning and regulatory activities

A) Collaborate with planning agencies at the local and regional level, other water suppliers in the area and stakeholders in response to state or federal requirements such as the State Model Water Efficient Landscape Ordinance and AB 1881. Participate in the development, review, implementation, and enforcement of requirements for new developments. Provide water use data to planning agencies.

				Measured water savings (AF/Year)
Public Information Programs List				
Agency Type	Describe Involvement	If Ohter: Enter Name		Actions

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)

B) Establish or participate in a water conservation advisory committee or other community outreach effort to drive market transformation and exchange information about landscape water conservation with developers, community-based organizations, homeowners associations, residential customers, landscape professionals, educators, other water suppliers in region.

Yes No

Describe Involvement:

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

C) Participate in regional efforts: integrated water resource management, watershed management, NPDES permit agencies, etc.

Yes No

**Measured
water savings
(AF/Year)**

Describe Involvement:

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

5. Develop a holistic approach to landscape water use efficiency

A) Develop and implement a comprehensive landscape water conservation program for all customers. Target marketing efforts to those most likely to result in benefits to both customer and Agency.

Describe Program:

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

6. Other Measures

A) Other Landscape Measures.

Describe Other
Landscape Measures:

**Measured
water savings
(Af/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file Natalie@cuwcc.org)

2010 Retail Area CUWCC BMP Report

The fields in red are required.

Agency name:

Primary contact:

First name:

Division name
(Reporting unit)

Last name:

Reporting unit number:

Email:



WATER SOURCES

Service Area Population:

Potable Water

Own Supply Source Name

AF/YEAR

Water Supply Type

Water Supply Description

Imported Supply Source Name

AF/YEAR

Water Supply Type

Water Supply Description

AF/YEAR

Exported Water Name

AF/YEAR

Where Exported?

2010

The fields in red are required.

Agency name:

Division name
(Reporting unit)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:



2010

Service Area Population:

Non- Potable Water

If you select Other for type, enter

Own Supply Source Name

AF/YEAR

Water Supply Type

Water Supply Description

Imported Supply Source Name

AF/YEAR

Water Supply Type

Water Supply Description

AF/YEAR

Exported Water Name

AF/YEAR

Where Exported? such as groundwater recharge, retail,
etc.

Customer Type	Meter Accounts	Metered Water Delivered	Un-metered Accounts	Un-metered Water Delivered	Description
---------------	----------------	-------------------------	---------------------	----------------------------	-------------

The fields in red are required.

Agency name:

First name:

Last name:

Email:



Division name
(Reporting unit)

Reporting unit number:

Water Uses 2010

Non-Potable Billed

Customer Type	Meter Accounts	Metered Water Delivered	Un-metered Accounts	Un-metered Water Delivered	Description
---------------	----------------	-------------------------	---------------------	----------------------------	-------------

Non-Potable Un-Billed

Customer Type	Meter Accounts	Metered Water Delivered	Un-metered Accounts	Un-metered Water Delivered	Description
---------------	----------------	-------------------------	---------------------	----------------------------	-------------

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[See the complete MOU:](#)

[View MOU](#)

[See the coverage requirements for this BMP:](#)



Conservation Coordinator

Conservation Coordinator Yes No

Contact Information

First Name

Last Name

Title

Phone

Email

Note that the contact information may be the same as the primary contact information at the top of the page. If this is your case, excuse the inconvenience but please enter the information again.

Water Waste Prevention

Water Agency shall do one or more of the following:

- Enact and enforce an ordinance or establish terms of service that prohibit water waste
- Enact and enforce an ordinance or establish terms of service for water efficient design in new development
- Support legislation or regulations that prohibit water waste
- Enact an ordinance or establish terms of service to facilitate implementation of water shortage response measures
- Support local ordinances that prohibit water waste
- Support local ordinances that establish permits requirements for water efficient design in new

To document this BMP, provide the following:

- A description of, or electronic link to, any ordinances or terms of service
- A description of, or electronic link to, any ordinances or requirements adopted by local jurisdictions or regulatory agencies with the water agency's service area.
- A description of any water agency efforts to cooperate with other entities in the adoption or enforcement of local requirement
- description of agency support positions with respect to adoption of legislation or regulations

You can show your documentation by providing files, links (web addresses), and/or entering a description.



File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

Enter a description:

2010

BMP 1.1 Operations Practices

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

2010

BMP 1.2 Water Loss Control

[View MOU](#)



AWWA Water Audit

Agency to complete a Water Audit & Balance Using The AWWA Software Yes No
Email to natalie@cuwcc.org - Worksheets (AWWA Water Audit). Enter the name of the file below:

Water Audit Validity Score
from AWWA spreadsheet



Agency Completed Training In The AWWA Water Audit Method

Yes

No



Agency Completed Training In The Component Analysis Process

Yes

No

Completed/Updated the Component Analysis (at least every 4 years)?

Yes

No



Component Analysis Completed/Updated Date

Water Loss Performance

Agency Repaired All Reported Leaks & Breaks To The Extent Cost Effective

Yes

No

Recording Keeping Requirements:

Date/Time Leak Reported

Leak Location

Type of Leaking Pipe Segment or Fitting

Leak Running Time From Report to Repair

Leak Volume Estimate

Cost of Repair

Agency Located and Repaired Unreported Leaks to the Extent Cost Effective

Yes

No

Type of Program Activities Used to Detect Unreported Leaks

Annual Summary Information

Complete the following table with annual summary information (required for reporting years 2-5 only)

Total Leaks Repaired	Economic Value Of Real Loss	Economic Value Of AppUYbhlLoss	Miles Of System Surveyed For Leaks	Pressure Reduction Undertaken for loss reduction	Cost Of Interventions	Water Saved (AF/Year)
----------------------	-----------------------------	--------------------------------	------------------------------------	--	-----------------------	-----------------------

Comments:

The fields in red are required.

Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.



BMP 1.3 Metering with Commodity 2010

[Link to FAQs](#)

See the complete MOU: [View MOU](#)

See the coverage requirements for this BMP:

Implementation

Does your agency have any unmetered service connections? Yes No

If YES, has your agency completed a meter retrofit plan? Yes No

Enter the number of previously unmetered accounts fitted with meters during reporting year:

Are all new service connections being metered? Yes No

Are all new service connections being billed volumetrically? Yes No

Has your agency completed and submitted electronically to the Council a written plan, policy or program to test, repair and replace meters? Yes No

Please Fill Out The Following Matrix

Account Type	# Metered Accounts	# Metered Accounts Read	# Metered Accounts Billed by Volume	Billing Frequency Per Year	# of estimated bills/yr
--------------	--------------------	-------------------------	-------------------------------------	----------------------------	-------------------------

Number of CII Accounts with Mixed-use Meters

Number of CII Accounts with Mixed-use Meters Retrofitted with Dedicated Irrigation Meters during Reporting Period

Feasibility Study

Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? Yes No

If YES, please fill in the following information:

A. When was the Feasibility Study conducted

B. Describe, upload or provide an electronic link to the Feasibility Study Upload File

File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

Comments:

The fields in red are required.

Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.



2010

[Link to FAQs](#)

[View MOU](#)

BMP 1.4 Retail Conservation Pricing

If you are reporting more rate structures than this form allows, add the structures to a spreadsheet and send the file to natalie@cuwcc.org.

Implementation (Water Rate Structure)

Enter the Water Rate Structures that are assigned to the majority of your customers, by customer class

Rate Structure	Customer Class	Total Revenue	Commodity Charges	Total Revenue Customer Meter/Service (Fixed Charges)

Implementation Option (Conservation Pricing Option)

Use Annual Revenue As Reported
Use Canadian Water & Wastewater Association Rate
Design Model

If CWWA is select, enter the file name and
email the spreadsheet to natalie@cuwcc.org

Retail Waste Water (Sewer) Rate Structure by Customer Class

Agency Provide Sewer Service

Yes No

Select the Retail Waste Water(Sewer) Rate Structure assigned to the majority of your customers within a specific customer class.

Rate Structure	Customer Class	Total Revenue	Commodity Charges	Total Revenue Customer Meter/Service (Fixed Charges)

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

[View MOU](#)

2010

BMP 2.1 Public Outreach - Retail Reporting

Is a Wholesale Agency Performing Public Outreach?

Are there one or more wholesale agencies performing public outreach which can be counted to help your agency comply with the BMP?

Yes No

Enter the name(s) of the wholesale agency (comma delimited)

Is your agency performing public outreach?

Report a minimum of 4 water conservation related contacts your agency had with the public during the year.

Public Information Programs List

Did at least one contact take place during each quarter of the reporting year?

Number of Public Contacts		Public Information Programs	

Contact with the Media

Are there one or more wholesale agencies performing media outreach which can be counted to help your agency comply with the BMP?

Yes No

Enter the name(s) of the wholesale agency (comma delimited)

OR Retail Agency (Contacts with the Media)

Did at least one contact take place during each quarter of the reporting year?

Media Contacts List

Number of Media Contacts	Did at least one contact take place during each quarter of the reporting year?	Media Contact Types	

Is a Wholesale Agency Performing Website Updates?

Did one or more CUWCC wholesale agencies agree to assume your agency's responsibility for meeting the requirements of and for CUWCC reporting of this BMP? Yes No

Enter the name(s) of the wholesale agency (comma delimited)

Is Your Agency Performing Website Updates?

Enter your agency's URL (website address):

Describe a minimum of four water conservation related updates to your agency's website that took place during the year:

Did at least one Website Update take place during each quarter of the reporting year? Yes No

Public Outreach Annual Budget

Enter budget for public outreach programs. You may enter total budget in a single line or brake the budget into discrete categories by entering many rows. Please indicate if personnel costs are included in the entry.

Category	Amount		Personnel Costs Included? If yes, check the box.	Comments	

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

[View MOU](#)

2010

BMP 2.1 Public Outreach Cont'd

Public Outreach Expenses

Enter expenses for public outreach programs. Please include the same kind of expenses you included in the question related to your budget (Section 2.1.7, above). For example, if you included personnel costs in the budget entered above, be sure to include them here as well.

Expense Category	Expense Amount	Personnel Costs Included?	
If yes, check the check box.			

Additional Public Information Program

Please report additional public information contacts. List these additional contacts in order of how your agency views their importance / effectiveness with respect to conserving water, with the most important/ effective listed first (where 1 = most important).

Were there additional Public Outreach efforts? Yes No

Public Outreach Additional Information

Public Information Programs	Importance	

Social Marketing Programs

Branding

Does your agency have a water conservation "brand," "theme" or mascot? Yes No

Describe the brand, theme or mascot.

Market Research

Have you sponsored or participated in market research to refine your message? Yes No

Market Research Topic

Brand Message

Brand Mission Statement

Community Committees

Do you have a community conservation committee? Yes No

Enter the names of the community committees:

Training

Training Type	# of Trainings	# of Attendees	Description of Other	

Social Marketing Expenditures

Public Outreach Social Marketing Expenses

Expense Category	Expense Amount	Description	

Partnering Programs - Partners

Name	Type of Program
	CLCA?
	Green Building Programs?
	Master Gardeners?
	Cooperative Extension?
	Local Colleges?
	Other

Retail and wholesale outlet; name(s) and type(s) of programs:

Partnering Programs - Newsletters

Number of newsletters per year

Number of customers per year

Partnering with Other Utilities

Describe other utilities your agency partners with, including electrical utilities

Conservation Gardens

Describe water conservation gardens at your agency or other high traffic areas or new

Landscape contests or awards

Describe water wise landscape contest or awards program conducted by your agency

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

[View MOU](#)

2010

BMP 2.2 School Education Programs, Retail Agencies

School Programs

Is a wholesale agency implementing school programs which can be counted to help your agency comply with this BMP?

Yes No

Enter Wholesaler Names, separated by commas:

Materials meet state education framework requirements?

Description of Materials

Materials distributed to K-6 Students?

Description of materials distributed to K-6 Students

Number of students reached

Materials distributed to 7-12 Students?

Description of materials distributed to 7-12 Students

Number of Distribution

Annual budget for school education program

Description of all other water supplier education programs

School Program Activities

Classroom presentations:

Number of presentations

Number of attendees

Large group assemblies:

Number of presentations

Number of attendees

Children's water festivals or other events:

Number of presentations

Number of attendees

Cooperative efforts with existing science/water education programs (various workshops, science fair awards or judging) and follow-up:

Number of presentations

Number of attendees

Other methods of disseminating information (i.e. themed age-appropriate classroom loaner kits):

Description

Number distributed

Staffing children's booths at events & festivals:

Number of booths

Number of attendees

Water conservation contests such as poster and photo:

Description

Number distributed

Offer monetary awards/funding or scholarships to students:

Number Offered

Total Funding

Teacher training workshops:

Number of presentations

Number of attendees

Fund and/or staff student field trips to treatment facilities, recycling facilities, water conservation gardens, etc.:

Number of tours or field trips

Number of participants

College internships in water conservation offered:

Number of internships

Total funding

Career fairs/workshops:

Number of presentations

Number of attendees

Additional program(s) supported by agency but not mentioned above:

Description

Number of events (if applicable)

Number of participants

Total reporting period budget expenditures for school education programs (include all agency costs):

Comments

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[View MOU](#)

2010

BMP 3 Residential

Traditional (Sections A - D)

Flex Track (All Sections)

For Traditional Track please answer the fields within the traditional boxes.

For Flex Track option, please answer the fields within the flex track boxes.

You must enter all measured water savings manually. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings were measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data points also requested in form which are necessary to show that the measure was implemented as described.

A) Residential Assistance / Leak Detection

	Single Family	Multi Family	Total Water Savings AF/YR	Measured Water Savings AF/YR
Flex Track	Traditional		Total Number of Accounts	
			Total Number of Participants Overall	
			Total Number of Leak Det Surveys	
			Total Number of Showerheads	
			Total Number of Faucet Aerators	
			Total Number of Landscape Water Survey	
			Number of Other Components	
			Description of Other Components Distributed	
If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)				

B) High Efficiency Clothes Washers (HECWs)

Flex Track	Traditional	Number of incentives for HECWs with an AVERAGE Water Factor of 5.0		Measured water savings (AF/Year)
		Are Financial incentives provided for HECWs ?		
		Yes	No	
		Has your Agency completed a HECW Market Penetration Study (this question does not impact your coverage report, purely informational)		
		Yes	No	
HECW Market Penetration Study Documents (Enter the file name and Email file to Natalie@cuwcc.org)				

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

C) WaterSense Specification (WSS) Toilets

(Agency must complete information for at least one coverage option (For Traditional 1, 2, or 3; For Flex Tarck 1, 2, 3, or 4).
You are encouraged to include information on other coverage options, as available.
If seeking credit for additional water savings, you must select Flex Track option)

Traditional

1. Retrofiton Resale Ordinanceis in Place

Yes

No

If Yes, Choose A File (Enter the file name and Email file to Natalie@cuwcc.org)

2. A 75% Market Saturation Achieved

Yes

No

If yes, Choose A File (Enter the file name and Email file to Natalie@cuwcc.org)

3. WSS Toilets Installed

Single Family

Multi Family

Number of WSS Toilets Installed

Measured Water Savings AF/YR

Flex Track

4. Non-WSS Toilets

Single Family

Multi Family

Type of Toilets

Number of Toilets

Water Savings

Number of Toilets

Water Savings

Description of Other Non-WSS Type of Toilets

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org

D) WSS for New Residential Development

(Agency must complete information for at least one coverage option.You are encouraged to include information on other coverageoptions, as available. If seeking credit for additional water savings you must select the Flex Track option)

Traditional

	Single Family		Multi Family	
	Yes	No	Yes	No
Residential development Rebates	Yes	No	Yes	No
Recognition Programs	Yes	No	Yes	No
Reduced connection Fees	Yes	No	Yes	No
Ordinances	Yes	No	Yes	No

New Development Ordinance
(Enter the file name and Email file to Natalie@cuwcc.org)

Number of new Single Family Units built in Service Area

Number of new Multi Family Units built in Service Area

In the following table, enter one row for each incentive typr program you offer

List of Incentive Amount

Incentive Type	Incentive Amount	Number of WSS fixtures installed	Number of Participating		Measured Water Savings	
			Single Family	Multi Family	Single Family	Multi Family

Flex Track

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the le name and Email to Natalie@cuwcc.org

For Traditional Option, Stop Here, do not go further.
For Flex Track Option, please continue...

Flex Track Menu Options

In addition to the measures on the BMP List, the Flex Track menu options may be implemented to meet the savings goal for this BMP. Fill in the water savings measures that your agency has implemented.

**E) High bill contact with single-family
and multi-family customers**

**Measured
water savings
(AF/Year)**

Select the Types of Contact:

Email Phone Letter Others (describe)

Upload sample of contact contents (email, letter, etc.)

– if applicable; enter the file name and email file to Natalie@cuwcc.org

Who initiated the contact:

(Please Specify customer, agencies, or both)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

(Enter the file name and Email file to Natalie@cuwcc.org)

**F) Educate residential customers about the
behavioral aspects of water conservation**

**Measured
water savings
(AF/Year)**

**Select types of educational
methods used:**

Events

Customers Reached

Workshop

Community Event

Letter

On-Site Visit

Phone Call

Water Survey

Website Hit

Door Hanger

Other (Describe)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

(Enter the file name and Email file to Natalie@cuwcc.org)

**G) Notify residential customers of leaks on the
customer's side of the meter**

Measured
water savings
(AF/Year)

Type of Notification (Describe)

How many were sent out?

Upload sample notification method(email, letter, etc.) – if applicable

(Enter the file name and Email file to Natalie@cuwcc.org)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)

(Enter the file name and Email file to Natalie@cuwcc.org)

H) Provide bill or surcharge refunds for customers to repair leaks on the customer's side of the meter.

AF/Year
Number of Leaks Repaired
Number of bill adjustments/credits/refunds provided
fB: #WUFL

Number of Leaks Repaired

Number of bill adjustments/credits/refunds provided

Describe here or upload a document with a policy description below:

Upload file describing Policy (Enter the file name and Email file to Natalie@cuwcc.org)

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org

I) Provide unique water savings fixtures that are not included in the BMP list above

Fixture or Device

Description

Quantity Installed

Measured water
savings (AF/YR)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

J) Install residence water use monitors.

Type of Monitor	6 fUbX	Number Installed	Measured water savings (AF/Year)
Dashboard			
Leak Detector			
Data Logger			

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

K) Participate in programs that provide residences with school water conservation kits.

Number of Kits Distributed		
Kit contents (including model of fixtures)		
List of what was actually installed in the homes (number of showerheads, aerators etc.).		Measured water savings (AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

L) Implement an automatic meter reading program for residential customers.

AMR or AMI	Type of Network	
Number of connections installed		Measured water savings (AF/Year)
Is your agency using these to contact high water-use customers?		

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

OTHER Types of Measures.

Type of Program

Sample / Description

Measured Water Savings (AF/YR)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

Comments

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

2010

[Link to FAQs](#)

[View MOU](#)

BMP 4 CII

Traditional
(Section A - L)

Flex Track
(All Sections)

For Traditional Track please answer the fields within the traditional boxes.

For Flex Track option, please answer the fields within the flex track boxes.

You must enter all measured water savings manually in the summary cells on the right. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings was measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data points also requested in the flex track data entry form which are necessary to show that the measure was implemented as described.

CII Type of measure implemented

Traditional

A) High - Efficiency Toilets.

Number

Type of program Select an Option

Other type of
program

Measured
water savings
(AF/Year)

Flex Track

Do you accept the Council's
default savings number Yes No
for this measure?

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water
Savings 0.041748
AF per device

B) High - Efficiency Urinals (0.5 gpf)

Flex Track	Traditional	Number	Measured water savings (AF/Year)
		Type of program	
		Other type of program	
		Do you accept the Council's default savings number for this measure?	Yes No
		If not, Please provide the following	
		Total Measured Water Savings(AF/Year)	
		Measure life (years)	
		Lifetime water savings (years)	
		If you are using your own water-savings measure, send your supporting spreadsheet	
		Enter the file name and Email to Natalie@cuwcc.org	

Council's Annual Water Savings 0.069086 AF per device

C) Ultra Low Volume Urinals (0.125 gpf)

Flex Track	Traditional	Number	Measured water savings (AF/Year)
		Type of program	
		Other type of program	
		Do you accept the Council's default savings number for this measure?	Yes No
		If not, Please provide the following	
		Total Measured Water Savings(AF/Year)	
		Measure life (years)	
		Lifetime water savings (years)	
		If you are using your own water-savings measure, send your supporting spreadsheet	
		Enter the file name and Email to Natalie@cuwcc.org	

Council's Annual Water Savings 0.080603 AF per device

D) Zero Consumption Urinals (0.0 gpf)

Flex Track	Traditional	Number	Measured water savings (AF/Year)
		Type of program	
		Other type of program	
		Do you accept the Council's default savings number for this measure?	Yes No

Flex Track

If not, Please provide the following:
Total Measured Water Savings(AF/Year)
Measure life (years)
Lifetime water savings (years)
If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water
Savings 0.0921146
AF per device

E) Commercial High - Efficiency Single Load Clothes Washers

Traditional

Number
Type of program
Other type of
program

**Measured
water savings
(AF/Year)**

Flex Track

Do you accept the Council's
default savings number for Yes No
this measure ?
If not , Please provide the following:
Total Measured Water Savings(AF/Year)
Measure life (years)
Lifetime water savings (years)
If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water
Savings 0.116618
AF per device

F) Cooling Tower Conductivity Controllers.

Traditional

Number
Type of program
Other type of
program

**Measured
water savings
(AF/Year)**

Flex Track

Do you accept the Council's
default savings number for Yes No
this measure ?
If not, Please provide the following:
Total Measured Water Savings(AF/Year)
Measure life (years)
Lifetime water savings (years)
If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Council's Annual Water
Savings 1.032250
AF per device

G) Cooling Tower pH Controllers

Traditional	Number		Measured water savings (AF/Year)
	Type of program		
Flex Track	Other type of program		Council's Annual Water Savings 3.981543 AF per device
	Do you accept the Council's default savings number for this measure ? If not, Please provide the following: Total Measured Water Savings(AF/Year) Measure life (years) Lifetime water savings (years) If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org		

H) Connectionless Food Steamers.

Traditional	Number		Measured water savings (AF/Year)
	Type of program	Select an Option	
Flex Track	Other type of program		Council's Annual Water Savings 0.25 AF per Steamer Compartment
	Do you accept the Council's default savings number for this measure ? If not, Please provide the following: Total Measured Water Savings(AF/Year) Measure life (years) Lifetime water savings (years) If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org		

I) Medical Equipment Steam Sterilizers

Flex Track	Traditional	Number		Measured water savings (AF/Year)
		Type of program	Select an Option	
		Other type of program		

Flex Track

Do you accept the Council's default savings number for this measure? Yes No

Council's Annual Water Savings 1.538 AF per device

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org

J) Water - Efficient Ice Machines.

Traditional

Number

Type of program Select an Option

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure ? Yes No
If not, Please provide the following:

Council's Annual Water Savings 0.0834507 AF per device

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org

K) Pressurized Water Brooms.

Traditional

Number

Type of program Select an Option

Other type of program

Measured water savings (AF/Year)

Flex Track

Do you accept the Council's default savings number for this measure? Yes No

Council's Annual Water Savings 0.1534 AF per device

Flex Track

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

L) Dry Vacuum Pumps.

Traditional

Number

Type of program Select an Option

Other type of
program

**Measured
water savings
(AF/Year)**

Flex Track

Do you accept the Council's
default savings number for
this measure ? Yes No

If not, Please provide the following:

Council's Annual Water
Savings 0.064
AF per device

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Traditional Reporting Stop Here, Do not continue

Flex Track Reporting Please Continue...

M) Industrial Process Water Use Reduction.

**Measured
water savings
(AF/Year)**

Number

Type of program

Other type of
program

Type of Process
Water Reduced

If re-using water,
what was the secondary
use of the water?
(such as pre-rince
cycle or landscaping)

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

N) Commercial Laundry Retrofits.

Number of customers				Measured water savings (AF/Year)
	hotels			
Type of customer	campuses			
	prisons			
	laundromats			
Lease / own machines	Lease	Own Machines	Both	
Type of program	Select an Option			
Other type of program				

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

O) Industrial Laundry Retrofits.

				Measured water savings (AF/Year)
Total Number of customers				
Total Volume of laundry processed annually			Select an Option	
Type of program	Select an Option			

Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

P) Filter Upgrades (for pools, spas, and fountains).

Number of pools
upgraded

Number of spas
upgraded

Number of
fountains
upgraded

Type of program Select an Option

Other type of
program

**Measured
water savings
(AF/Year)**

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Q) Car Wash Reclamation Systems

**Measured
water savings
(AF/Year)**

Total Number of program participants (accounts)	Conveyor	In-bay
Total Number of vehicles washed annually		
Do you accept the Council's default savings number for this measure?	Yes No	Council's Annual Water Savings 0.00004607 (or 15 gals) per vehicle
If not, Please provide the following:		
Total Measured Water Savings(AF/Year)		
Measure life (years)		
Lifetime water savings (years)		
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org		

R) Wet Cleaning.

Brief description of program	Measured water savings (AF/Year)
Total Measured Water Savings(AF/Year)	
Measure life (years)	
Lifetime water savings (years)	
If you are using your own water-savings measure, send your supporting spreadsheet Enter the file name and Email to Natalie@cuwcc.org	

S) Water Audits (To avoid double counting, do not include device/replacement water savings.)

Number of water audits by type of business	Measured water savings (AF/Year)
Auto	
Food	
Health	
Hotels	

Manufacturing
Membership
Multi-use
Office
Religious
Restaurant
Retail/
Wholesale
School
Other (with
description)
Description of
Other

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

T) Clean In Place (CIP) Technology
(such as bottle sterilization in a beverage processing plant)

**Measured
water savings
(AF/Year)**

Number of
customers
Type of program
Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org

U) Waterless Wok

Number	Measured water savings (AF/Year)
Type of program	

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org

V) Alternative On-site Water Sources
(For Rain Water Harvesting, commercial
rain barrels are excluded. For Foundation Drain
Water, exclude permeable paving.)

Measured
water savings
(AF/Year)

Select type	Number	Description
Cooling Condensate		
Foundation Drain Water		
Gray Water		
Storm Water		
Rain Water		
Pond and Water Feature Recycling		

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

W) Sub - metering

Measured water savings (AF/Year)

Select type	Number	Description
Condominiums		
Apartments		
Mobile Homes		

Do you accept the Council's default savings numbers for this measure?	Yes	No
---	-----	----

Council's Annual Water Savings
Appartments & Condos=0.024419 AF/YR
Mobile Home = 0.056774 AF/Yr

If not, Please provide the following:

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

X) High Efficiency Showerheads

Measured water savings (AF/Year)

Number
Type of program
Other type of program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Y) Faucet Flow Restrictors

**Measured
water savings
(AF/Year)**

Number

Type of program

Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

Z) Water Efficient Dishwashers

**Measured
water savings
(AF/Year)**

Select type	Number
Rack	
Conveyor	
Other	
Description of Other	
Type of program	Select an Option

Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

AA) Hot Water on Demand

**Measured
water savings
(AF/Year)**

Number

Type of program

Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet
Enter the file name and Email to Natalie@cuwcc.org

BB) Pre-rinse Spray Valves of 1.3 gpm (gallons per minute) or less

**Measured
water savings
(AF/Year)**

Number

Type of program

Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org

CC) Central Flush Systems

**Measured
water savings
(AF/Year)**

Number

Type of program

Other type of
program

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org

Other Measures chosen by the Agency

**Measured
water savings
(AF/Year)**

Description of
program

Sample (if
applicable)

Total Measured Water Savings(AF/Year)

Measure life (years)

Lifetime water savings (years)

If you are using your own water-savings measure, send your supporting spreadsheet

Enter the file name and Email to Natalie@cuwcc.org



The fields in red are required.

Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[View MOU](#)

2010

BMP 5 Landscape

Traditional

Flex Track

For Traditional Track please answer the fields within the traditional boxes.

For Flex Track option, please answer the fields within the flex track boxes.

You must enter all measured water savings manually. For each measure entered, upload a spreadsheet with sufficient information to show the way that water savings were measured and that the measure was adequately tracked (i.e., all relevant data was collected) - in some cases there are specific data point also requested in form which are necessary to show that the measure was implemented as described.

Accounts with Dedicated Irrigation Meters

Traditional

Number of dedicated irrigation meter accounts

Number of dedicated irrigation meter accounts
with water budgets

Aggregate water use for dedicated non-recreational
landscape accounts with budgets

Aggregate acreage assigned water budgets for dedicated
non-recreational landscape accounts with budgets

Preserved water use records and budgets for
customers with dedicated landscape
irrigation accounts for at least four years

Yes No

Flex Track

Water Savings from Accounts with dedicated irrigation
meters with water budgets (Acre Feet)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

Technical Assistance

Traditional

Number of Accounts 20% over-budget

Number of accounts 20% over-budget
offered technical assistance

Number of accounts 20% over-budget
accepting technical assistance

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

Flex Track

Measured
water savings
(AF/Year)

Irrigation Water Use Surveys for Mixed-use and Un-metered Accounts

Traditional	Number of mixed use and un-metered accounts			Measured water savings (AF/Year)
	Number of irrigation water use surveys offered (cumulative, all years)			
	Number of irrigation water use surveys accepted (cumulative)			
	Can your Agency estimate the amount of landscape acreage for mixed use and Un-metered accounts		Yes No	
	If Yes, Aggregate acreage for mixed use and Un-metered accounts			
Flex Track	Esrimated water demand from acreage for mixed use and Un-metered accounts			
	Annual water savings by customers receiving irrigation water savings surveys and implementing recomendations			
	If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)			

Financial Incentives

Traditional	Have you implemented and maintained an irrigation equipment retrofit incentive program?			Yes No	Measured Water Savings (AF/YR)
	Number of incentives	Dollar value of incentives	Incentive Types		
Flex Track					
If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)					

Traditional Reporting Stop Here, Do not continue
Flex Track Reporing Please Continue...

Landscape Flex Track Measure Types

1. Monitor and report on landscape water use

- A) Measure landscapes and develop water budgets for customers with dedicated landscape meters. Provide timely water use reports with comparisons of water use to budget that provide customers the information they need to adjust irrigation schedules (such as faxes, twitter, etc. not included in the previous sections).**

Measured
water savings
(AF/Year)

Enter the Number of sites with:

Dedicated Mixed Meters

Water Budgets

Landscape Measurements

Others (describe)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

- B) Measure landscapes and develop water budgets for customers with Mixed Use meters. Provide timely water use reports with comparisons of water use to budget that provide customers the information they need to adjust irrigation schedules.**

Measured
water savings
(AF/Year)

Enter the Number of sites with:

Dedicated Mixed Meters

Water Budgets

Landscape Measurements

Others (describe)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

- C) Establish agency-wide water budget. (Note that: ETo based water budget in the MWELO changed in 2010 from .8ETo to .7ETo.)**

Agency-wide total irrigated area		Measured water savings (AF/Year)
Per-2010	(Acres)	
Agency-wide total irrigated area		
Post-2010	(Acres)	
Amount of Water Used	(AF/Acre)	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

D) Establish agency-wide, sector-based irrigation goal to reduce water use, based on seasonality.

Number of minimum irrigation goal	(AF/Acre)	Measured water savings (AF/Year)
Amount of Water Used per Period	(AF/Period)	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

2. Provide technical landscape resources and training

A) Upon customer requests, provide landscape irrigation management and landscape design information and resources: provide assistance, answer customer questions, respond to run-off and high-bill calls.

Enter the Number of:	Measured water savings (AF/Year)
Contacts In Person	
Contacts over the phone	
Contacts via Email	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

B) Perform landscape & irrigation audits: including irrigation scheduling, plant information, and landscape area measurement.

Enter the Number of:	Measured water savings (AF/Year)
Audits conducted per year	
Measurement of square footage of Turf areas	
Measurement of square footage of NON Turf areas	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

C) Sponsor, co-sponsor, promote, or support landscape workshops, training, presentations and other technical educational events for homeowners and professionals: design, installation, maintenance, water management.

Enter the Number of:	Measured water savings (AF/Year)
Events	
Participants	
List Type or Title of Events	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

D) Establish Time-of-Day Irrigation Restrictions.

	Yes	No	Measured water savings (AF/Year)
Describe Restrictions:			

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

E) Establish Day-of-Week Irrigation Restrictions.

	Yes	No	Measured water savings (AF/Year)
Describe Restrictions:			

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

3. Provide incentives

A) Establish Landscape budget-based rates.

YesNo

Describe Rates:

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

B) Provide incentives for conversions from mixed-use meters to dedicated landscape meters.

Measured
water savings
(AF/Year)

Number of Conversions:

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

C) Provide incentives for installing sub-meters to separate landscape water use

Number of meters installed:

AYUgj fYX
k UHYf'gUJ]b[g
fE: #WUfL

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

D) Provide incentives for irrigation equipment upgrades that improve distribution uniformity, irrigation efficiency, or scheduling capabilities.

Select types of irrigation
equipment upgrades:

Number of devices
installed

Measured
water savings
(AF/Year)

Controllers

Emitters

Soil moisture sensors

Pressure Regulators

Rain shut off devices

Other (describe)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

E) Provide incentives for the reduction of water use over an irrigated area, or reduction in the size of the irrigated area due to replacement of turf or other high water-using plants with low water-using plants, artificial turf, or permeable surfaces.

Acreage of live turf converted to low water-using plants, artificial turf, or permeable surfaces:	Acres	Measured water savings (AF/Year)
---	-------	----------------------------------

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

F) Provide incentives for conversions from potable to recycled water.

Number of Conversions:	Measured water savings (AF/Year)
Number of Incentives:	
Funds Invested:	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

G) Provide incentives for the use of alternative sources of water in the landscape (i.e. gray water, rainwater, cisterns, etc.)

Number of Conversions:	Measured water savings (AF/Year)
Number of Incentives:	
Funds Invested:	

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

4. Participate in local and regional planning and regulatory activities

A) Collaborate with planning agencies at the local and regional level, other water suppliers in the area and stakeholders in response to state or federal requirements such as the State Model Water Efficient Landscape Ordinance and AB 1881. Participate in the development, review, implementation, and enforcement of requirements for new developments. Provide water use data to planning agencies.

				Measured water savings (AF/Year)
Public Information Programs List				
Agency Type	Describe Involvement	If Ohter: Enter Name		Actions

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data) (Enter the file name and Email file to Natalie@cuwcc.org)

B) Establish or participate in a water conservation advisory committee or other community outreach effort to drive market transformation and exchange information about landscape water conservation with developers, community-based organizations, homeowners associations, residential customers, landscape professionals, educators, other water suppliers in region.

Yes No

Describe Involvement:

Measured
water savings
(AF/Year)

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

C) Participate in regional efforts: integrated water resource management, watershed management, NPDES permit agencies, etc.

Yes No

**Measured
water savings
(AF/Year)**

Describe Involvement:

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

5. Develop a holistic approach to landscape water use efficiency

A) Develop and implement a comprehensive landscape water conservation program for all customers. Target marketing efforts to those most likely to result in benefits to both customer and Agency.

Describe Program:

**Measured
water savings
(AF/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file to Natalie@cuwcc.org)

6. Other Measures

A) Other Landscape Measures.

Describe Other
Landscape Measures:

**Measured
water savings
(Af/Year)**

If there is Water Savings in this measure, upload the Methodology Spreadsheet (backup data)
(Enter the file name and Email file Natalie@cuwcc.org)

2009 Wholesale Area CUWCC BMP Report

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

Base Year Data

[Link to FAQs](#)

Reporting Unit **Base Year**

What is your reporting period?

Base Year

BMP 1.3 **Metering**

Number of unmetered accounts in Base Year

BMP 3.1 & BMP 3.2 & BMP 3.3 **Residential Programs**

Number of Single Family Customers in Base Year

Number of Multi Family Units in Base Year

BMP 3.4 **WaterSense Specification (WSS) Toilets**

Number of Single Family Housing Units constructed prior to 1992

Number of Multi Family Units prior to 1992

Average number of toilets per single family household

Average number of toilets per multi family household

Five year average resale rate of single family households

Five-year average resale rate of multi family households

Average number of persons per single family household

Average number of persons per multi family household

BMP 4.0 & BMP 5.0 **CII & Landscape**

Total water use (in Acre Feet) by CII accounts

Number of accounts with dedicated irrigation meters

Number of CII accounts without meters or with Mixed Use Meters

Number of CII accounts

Comments:

The fields in red are required.

Agency name:

Primary contact:

First name:

Division name
(Reporting unit)

Last name:

Reporting unit number:

Email:



WATER SOURCES

2009

Service Area Population:

Potable Water

Own Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
------------------------	---------	-------------------	--------------------------

Imported Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
-----------------------------	---------	-------------------	--------------------------

AF/YEAR

Exported Water Name	AF/YEAR	Where Exported?
---------------------	---------	-----------------

The fields in red are required.

Agency name:

Primary contact:

First name:

Division name
(Reporting unit)

Last name:

Reporting unit number:

Email:



WATER SOURCES

2009

Service Area Population:

Potable Water

Own Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
------------------------	---------	-------------------	--------------------------

Imported Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
-----------------------------	---------	-------------------	--------------------------

AF/YEAR

Exported Water Name	AF/YEAR	Where Exported?
---------------------	---------	-----------------

The fields in red are required.

Agency name:

Primary contact:

First name:

Division name
(Reporting unit)

Last name:

Reporting unit number:

Email:



2009

Service Area Population:

Non- Potable Water

If you select Other for type, enter

Own Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
------------------------	---------	-------------------	--------------------------

Imported Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
-----------------------------	---------	-------------------	--------------------------

AF/YEAR

Exported Water Name	AF/YEAR	Where Exported? such as groundwater recharge, retail, etc.
---------------------	---------	--

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

CUWCC BMP Report Forms

You must enter the reporting unit that we have on record for your agency in order to process a coverage report. Click here to open a table to obtain this number.

2009 BMP 1.1 Operation Practices for Wholesalers

[View MOU](#)



K \c`YgUY`U[YbW`Ugg]gUbW`dfc[fUa g

a. Financial Investments and Building Partnerships

List the total monetary amount of financial incentives and equivalent resources provided to retail members to assist with, or to otherwise support, implementation of BMPs, subtotaled by BMP. List regional partnerships developed to encourage resource conservation and maximize economies of scale benefits.

BMP Section and/or Sub-section Name	Monetary Amount for Financial Incentives	Monetary Amount for Equivalent Resources
-------------------------------------	---	---

b. Technical Support

Supply a summary of types of technical support provided to retail agencies

c. Program Management

If your wholesale agency has assumed reporting responsibility, list the programs managed on behalf of the retail agencies.

Retail Agency Name	Program Name
--------------------	--------------

d. Water Shortage Allocation

If a water shortage allocation plan or policy has been developed, provide the date of adoption and electronic link to the document or hardcopy.

Date Format: 05/15/2010

Enter the file name of the document.
Send it to natalie@cuwcc.org

e. Non-signatory Reporting

Receipt of reports

Enter the file name of the document.
Send it to natalie@cuwcc.org

f. Encourage CUWCC Membership

List of efforts to recruit retailers and amount of dues paid on behalf of retail agencies.

Enter the file name of the document.
Send it to natalie@cuwcc.org

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

[View MOU](#)



2009 BMP 1.2 Water Loss Control

Did your agency complete a pre-screening system audit in 2009?

Yes

No

If yes, answer the following:

Determine metered sales in AF:

Definition: other accountable uses not included in metered sales, such as unbilled water use, fire suppression, etc.



Determine system verifiable uses AF:

Determine total supply into the system in AF:

Does your agency keep necessary data on file to verify the answers above?

Yes

No

Did your agency complete a full-scale system water audit during 2009?

Yes

No

Does your agency maintain in-house records of audit results or the completed AWWA worksheet for the completed audit which could be forwarded to CUWCC?

Yes

No

Did your agency operate a system leak detection program?

Yes

No

Comments:

The fields in red are required.

Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.



BMP 1.3 Metering with Commodity

[Link to FAQs](#)

See the complete MOU: [View MOU](#)

See the coverage requirements for this BMP:

Implementation

Does your agency have any unmetered service connections?	Yes	No
If YES, has your agency completed a meter retrofit plan?	Yes	No
Enter the number of previously unmetered accounts fitted with meters during reporting year:		
Are all new service connections being metered?	Yes	No
Are all new service connections being billed volumetrically?	Yes	No
Has your agency completed and submitted electronically to the Council a written plan, policy or program to test, repair and replace meters?	Yes	No

Please Fill Out The Following Matrix

Account Type	# Metered Accounts	# Metered Accounts Read	# Metered Accounts Billed by Volume	Billing Frequency Per Year	# of estimated bills/yr
--------------	--------------------	-------------------------	-------------------------------------	----------------------------	-------------------------

Number of CII Accounts with Mixed-use Meters

Number of CII Accounts with Mixed-use Meters Retrofitted with Dedicated Irrigation Meters during Reporting Period

Feasibility Study

Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?	Yes	No
---	-----	----

If YES, please fill in the following information:

- A. When was the Feasiblity Study conducted
- B. Email or provide a link to the feasibility study (or description of):

File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

General Comments about BMP 1.3:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

[View MOU](#)

2009

BMP 2.1 Public Outreach

Is your agency performing Public Outreach for your Retailers?

Are there one or more retail agencies that count on your agency to help them comply with this BMP?

Yes No

Enter the name(s) of the retail agency
(comma delimited)

Is your agency performing public outreach?

Report a minimum of 4 water conservation related contacts your agency had with the public during the year.

Public Information Programs List

Did at least one contact take place during
each quarter of the reporting year?

Number of Public Contacts		Public Information Programs	

Contact with the Media

Are there one or more retail agencies that count on your agency to help them comply with this BMP?

Yes No

Enter the name(s) of the retail agency
(comma delimited)

OR Wholesale Agency (Contacts with the Media)

Did at least one contact take place
during each quarter of the reporting
year?

Media Contacts List

Number of Media Contacts	Did at least one contact take place during each quarter of the reporting year?	Media Contact Types	

Did one or more retail agencies rely on your agency's responsibility for meeting the requirements of and for CUWCC reporting of this BMP?	Yes	No

--	--

Enter your agency's URL (website address):

Did at least one Website Update take place during each quarter of the reporting year?	Yes	No

Enter budget for public outreach programs. You may enter total budget in a single line or brake the budget into discrete categories by entering many rows. Please indicate if personnel costs are included in the entry.

Category	Amount		Personnel Costs Included? <i>If yes, check the box.</i>	Comments	

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

2009

BMP 2.2 School Education Programs, Retail Agencies

School Programs

[Link to FAQs](#)

[View MOU](#)

Is a wholesale agency implementing school programs which can be counted to help your agency comply with this BMP?

Yes No

Enter retailer names, separated by commas:

Materials meet state education framework requirements?

Description of Materials

Materials distributed to K-6 Students?

Description of materials distributed to K-6 Students

Number of students reached

Materials distributed to 7-12 Students?

Description of materials distributed to 7-12 Students

Number of Distribution

Annual budget for school education program

Description of all other water supplier education programs

School Program Activities

Classroom presentations:

Number of presentations

Number of attendees

Large group assemblies:

Number of presentations

Number of attendees

Children’s water festivals or other events:

Number of presentations

Number of attendees

Cooperative efforts with existing science/water education programs (various workshops, science fair awards or judging) and follow-up:

Number of presentations

Number of attendees

Other methods of disseminating information (i.e. themed age-appropriate classroom loaner kits):

Description

Number distributed

Staffing children's booths at events & festivals:

Number of booths

Number of attendees

Water conservation contests such as poster and photo:

Description

Number distributed

Offer monetary awards/funding or scholarships to students:

Number Offered

Total Funding

Teacher training workshops:

Number of presentations

Number of attendees

Fund and/or staff student field trips to treatment facilities, recycling facilities, water conservation gardens, etc.:

Number of tours or field trips

Number of participants

College internships in water conservation offered:

Number of internships

Total funding

Career fairs/workshops:

Number of presentations

Number of attendees

Additional program(s) supported by agency but not mentioned above:

Description

Number of events (if applicable)

Number of participants

Total reporting period budget expenditures for school education programs (include all agency costs):

Comments

2010 Wholesale Area CUWCC BMP Report

The fields in red are required.

Agency name:

Primary contact:

First name:

Division name
(Reporting unit)

Last name:

Reporting unit number:

Email:



WATER SOURCES

2010

Service Area Population:

Potable Water

Own Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
------------------------	---------	-------------------	--------------------------

Imported Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
-----------------------------	---------	-------------------	--------------------------

AF/YEAR

Exported Water Name	AF/YEAR	Where Exported?
---------------------	---------	-----------------

The fields in red are required.

Agency name:

Primary contact:

First name:

Division name
(Reporting unit)

Last name:

Reporting unit number:

Email:



WATER SOURCES

2010

Service Area Population:

Potable Water

Own Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
------------------------	---------	-------------------	--------------------------

Imported Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
-----------------------------	---------	-------------------	--------------------------

AF/YEAR

Exported Water Name	AF/YEAR	Where Exported?
---------------------	---------	-----------------

The fields in red are required.

Agency name:

Primary contact:

First name:

Division name
(Reporting unit)

Last name:

Reporting unit number:

Email:



WATER SOURCES

2010

Service Area Population:

Non- Potable Water

Own Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
------------------------	---------	-------------------	--------------------------

Imported Supply Source Name	AF/YEAR	Water Supply Type	Water Supply Description
-----------------------------	---------	-------------------	--------------------------

AF/YEAR

Exported Water Name	AF/YEAR	Where Exported?
---------------------	---------	-----------------

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

CUWCC BMP Report Forms

You must enter the reporting unit that we have on record for your agency in order to process a coverage report. Click here to open a table to obtain this number.

2010 BMP 1.1 Operation Practices for Wholesalers

[View MOU](#)



a. Financial Investments and Building Partnerships

List the total monetary amount of financial incentives and equivalent resources provided to retail members to assist with, or to otherwise support, implementation of BMPs, subtotaled by BMP. List regional partnerships developed to encourage resource conservation and maximize economies of scale benefits.

BMP Section and/or Sub-section Name	Monetary Amount for Financial Incentives	Monetary Amount for Equivalent Resources
-------------------------------------	--	--

b. Technical Support

Supply a summary of types of technical support provided to retail agencies

c. Program Management

If your wholesale agency has assumed reporting responsibility, list the programs managed on behalf of the retail agencies.

Retail Agency Name	Program Name
--------------------	--------------

d. Water Shortage Allocation

If a water shortage allocation plan or policy has been developed, provide the date of adoption and electronic link to the document or hardcopy.

Date Format: 05/15/2010

Enter the file name of the document.
Send it to natalie@cuwcc.org

e. Non-signatory Reporting

Receipt of reports

Enter the file name of the document.
Send it to natalie@cuwcc.org

f. Encourage CUWCC Membership

List of efforts to recruit retailers and amount of dues paid on behalf of retail agencies.

Enter the file name of the document.
Send it to natalie@cuwcc.org

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.

[Link to FAQs](#)

2010

BMP 1.2 Water Loss Control

[View MOU](#)



AWWA Water Audit

Agency to complete a Water Audit & Balance Using The AWWA Software Yes No
Email to natalie@cuwcc.org - Worksheets (AWWA Water Audit). Enter the name of the file below:

Water Audit Validity Score
from AWWA spreadsheet

Agency Completed Training In The AWWA Water Audit Method Yes No ?
Agency Completed Training In The Component Analysis Process Yes No ?

Completed/Updated the Component Analysis (at least every 4 years)? Yes No ?
Component Analysis Completed/Updated Date

Water Loss Performance

Agency Repaired All Reported Leaks & Breaks To The Extent Cost Effective Yes No

Recording Keeping Requirements:

Date/Time Leak Reported	Leak Location
Type of Leaking Pipe Segment or Fitting	Leak Running Time From Report to Repair
Leak Volume Estimate	Cost of Repair

Agency Located and Repaired Unreported Leaks to the Extent Cost Effective Yes No
Type of Program Activities Used to Detect Unreported Leaks

Annual Summary Information

Complete the following table with annual summary information (required for reporting years 2-5 only)

Total Leaks Repaired	Economic Value Of Real Loss	Economic Value Of AppUFYbhLoss	Miles Of System Surveyed For Leaks	Pressure Reduction Undertaken for loss reduction	Cost Of Interventions	Water Saved (AF/Year)

Comments:

The fields in red are required.

Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

You must enter the reporting unit number that we have on record for your agency. Click here to open a table to obtain this number.



BMP 1.3 Metering with Commodity 2010

[Link to FAQs](#)

See the complete MOU: [View MOU](#)

See the coverage requirements for this BMP:

Implementation

Does your agency have any unmetered service connections? Yes No

If YES, has your agency completed a meter retrofit plan? Yes No

Enter the number of previously unmetered accounts fitted with meters during reporting year:

Are all new service connections being metered? Yes No

Are all new service connections being billed volumetrically? Yes No

Has your agency completed and submitted electronically to the Council a written plan, policy or program to test, repair and replace meters? Yes No

Please Fill Out The Following Matrix

Account Type	# Metered Accounts	# Metered Accounts Read	# Metered Accounts Billed by Volume	Billing Frequency Per Year	# of estimated bills/yr
--------------	--------------------	-------------------------	-------------------------------------	----------------------------	-------------------------

Number of CII Accounts with Mixed-use Meters

Number of CII Accounts with Mixed-use Meters Retrofitted with Dedicated Irrigation Meters during Reporting Period

Feasibility Study

Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? Yes No

If YES, please fill in the following information:

A. When was the Feasibility Study conducted

B. Describe, upload or provide an electronic link to the Feasibility Study Upload File

File name(s): Email files to natalie@cuwcc.org

Web address(s) URL: comma-separated list

Comments:

The fields in red are required.

Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.



[Link to FAQs](#)

[View MOU](#)

2010

BMP 2.1 Public Outreach

Is your agency performing Public Outreach for your Retailers?

Are there one or more retail agencies that count on your agency to help them comply with this BMP?

Yes No

Enter the name(s) of the retail agency
(comma delimited)

Is your agency performing public outreach?

Report a minimum of 4 water conservation related contacts your agency had with the public during the year.

Public Information Programs List

Did at least one contact take place during
each quarter of the reporting year?

Number of Public Contacts		Public Information Programs	

Contact with the Media

Are there one or more retail agencies that count on your agency to help them comply with this BMP?

Yes No

Enter the name(s) of the retail agency
(comma delimited)

OR Wholesale Agency (Contacts with the Media)

Did at least one contact take place
during each quarter of the reporting
year?

Media Contacts List

Number of Media Contacts	Did at least one contact take place during each quarter of the reporting year?	Media Contact Types	

Is a Wholesale Agency Performing Website Updates?

Did one or more retail agencies rely on your agency's responsibility for meeting the requirements of and for CUWCC reporting of this BMP? Yes No

**Enter the name(s) of the retail agency
(comma delimited)**

Is Your Agency Performing Website Updates?

Enter your agency's URL (website address):

Describe a minimum of four water conservation related updates to your agency's website that took place during the year:

Did at least one Website Update take place during each quarter of the reporting year? Yes No

Public Outreach Annual Budget

Enter budget for public outreach programs. You may enter total budget in a single line or brake the budget into discrete categories by entering many rows. Please indicate if personnel costs are included in the entry.

Category	Amount		Personnel Costs Included? <small>If yes, check the box.</small>	Comments	

Comments:

The fields in red are required.



Agency name:

Reporting unit name
(District name)

Reporting unit number:

Primary contact:

First name:

Last name:

Email:

Click here to open a table that displays your agency name reporting unit name and reporting unit number. Please ensure that you enter the correct information.

[Link to FAQs](#)

[View MOU](#)

2010

BMP 2.2 School Education Programs, Retail Agencies

School Programs

Is a wholesale agency implementing school programs which can be counted to help your agency comply with this BMP?

Yes No

Enter Wholesaler Names, separated by commas:

Materials meet state education framework requirements?

Description of Materials

Materials distributed to K-6 Students?

Description of materials distributed to K-6 Students

Number of students reached

Materials distributed to 7-12 Students?

Description of materials distributed to 7-12 Students

Number of Distribution

Annual budget for school education program

Description of all other water supplier education programs

School Program Activities

Classroom presentations:

Number of presentations

Number of attendees

Large group assemblies:

Number of presentations

Number of attendees

Children's water festivals or other events:

Number of presentations

Number of attendees

Cooperative efforts with existing science/water education programs (various workshops, science fair awards or judging) and follow-up:

Number of presentations

Number of attendees

Other methods of disseminating information (i.e. themed age-appropriate classroom loaner kits):

Description

Number distributed

Staffing children's booths at events & festivals:

Number of booths

Number of attendees

Water conservation contests such as poster and photo:

Description

Number distributed

Offer monetary awards/funding or scholarships to students:

Number Offered

Total Funding

Teacher training workshops:

Number of presentations

Number of attendees

Fund and/or staff student field trips to treatment facilities, recycling facilities, water conservation gardens, etc.:

Number of tours or field trips

Number of participants

College internships in water conservation offered:

Number of internships

Total funding

Career fairs/workshops:

Number of presentations

Number of attendees

Additional program(s) supported by agency but not mentioned above:

Description

Number of events (if applicable)

Number of participants

Total reporting period budget expenditures for school education programs (include all agency costs):

Comments

AB 1420 TABLES

AB 1420 Self- Certification Statement Table 1

Note: Table 1 documents Status of Past and Current BMP Implementation.

Self-Certification Statement: The Urban Water Supplier and its authorized representative certifies, under penalty of perjury, that all information and claims, stated in this table, regarding compliance and implementation of the BMPs, including alternative conservation approaches, are true and accurate. This signed AB 1420 Self-Certification StatementTable 1, and Table 2 are the basis for granting funds by the Funding Agency. Falsification and/or inaccuracies in AB 1420 Self Certification Statement Table 1, and Table 2 and in any supporting documents substantiating such claims may, at the discretion of the funding agency, result in loss of all State funds to the applicant. Additionally, theFunding Agency, in its sole discretion, may halt disbursement of grant or loan funds, not pay pending invoices, and/or pursue any other applicable legal remedy and refer the matter to the Attorney General's Office.

Name of Signatory Title of Signatory Signature of signatory Date

Application Date:

Proposal Identification Number: CUVCC Member? Yes/No YES

Has Urban Water Supplier submitted a 2005 Urban Water Management Plan? Yes/No YES Is the UWM Plan Deemed Complete by DWR? Yes/No Yes

Applicant Name: Western Municipal Water District (retail area)

Project Title:

Applicant's Contact Information: Name: Tim Barr Phone: 951-296-6921 E-mail: tbarr@wmwd.com

Participants:					
Retailer (List Below)					
Wholesaler (List Below)					

C2	C3	C4	C5	*C6	C7	**C8	**C9	**C10	C11	C12	C13	C14	C15	C16	C17	C18
BMPs required for Wholesale Supplier	BMPs required for Retail Supplier	BMPs	BMP Implemented by Retailers and/or Wholesalers / BMP			Compliance Options/Alternative Conservation Approaches (1)			BMP Is Exempt (2)			BMP Implementation Requirements Met				
			Retailer Yes/No	Wholesaler Yes/No	Regional Yes/No	BMP Checklist	Flex Track	Gallons Per Capita Per Day GPCD	Not Cost Effective	Lack of Funding	Lack of Legal Authority	CUWCC MOU Requirement Met: Retailer Yes/No	CUWCC MOU Requirement Met: Wholesaler Yes/No	Date of BMP Report Submitted to CUWCC for (2007-2008) (MOU Signatories)	Date BMP Implementation Data Submitted to DWR in CUWCC Format (Non MOU Signatories) (3)	All Supporting Documents have been Submitted Yes/No
	✓	BMP 1 Water Survey for Single/Multi-Family Residential Customers	Yes	No	No	-	Yes	-	-	-	-	No	-	1/5/2010	-	Yes
	✓	BMP 2 Residential Plumbing Retrofit	Yes	No	No	-	Yes	-	-	-	-	No	-	1/5/2010	-	Yes
✓	✓	BMP 3 System Water Audits, Leak Detection	Yes	No	No	Yes	-	-	-	-	-	No	-	1/5/2010	-	Yes
✓	✓	BMP 3 Leak Repairs	Yes	No	No	Yes	-	-	-	-	-	No	-	1/5/2010	-	Yes
	✓	BMP 4 Metering with Commodity Rates for All New connections	Yes	No	No	Yes	-	-	-	-	-	Yes	-	1/5/2010	-	Yes
	✓	BMP 4 Retrofit of Existing Connections	Yes	No	No	Yes	-	-	-	-	-	Yes	-	1/5/2010	-	Yes
	✓	BMP 5 Large Landscape Conservation Programs and Incentives	Yes	No	No	-	Yes	-	-	-	-	No	-	1/5/2010	-	Yes
	✓	BMP 6 High-Efficiency Washing Machine Rebate Programs	No	Yes	No	Yes	-	-	-	-	-	No	-	1/5/2010	-	Yes
✓	✓	BMP 7 Public Information	Yes	Yes	No	Yes	-	-	-	-	-	Yes	-	1/5/2010	-	Yes
✓	✓	BMP 8 School Education	Yes	Yes	No	Yes	-	-	-	-	-	Yes	-	1/5/2010	-	Yes
	✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts	Yes	Yes	No	Yes	-	-	-	-	-	No	-	1/5/2010	-	Yes
✓		BMP 10 Wholesale Agency Assistance Programs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Yes
	✓	BMP 11 Conservation Pricing	Yes	No	No	Yes	-	-	-	-	-	Yes	-	1/5/2010	-	Yes
✓	✓	BMP 12 Conservation Coordinator	Yes	No	No	Yes	-	-	-	-	-	Yes	-	1/5/2010	-	Yes
	✓	BMP 13 Water Waste Prohibitions	Yes	No	No	Yes	-	-	-	-	-	Yes	-	1/5/2010	-	Yes
	✓	BMP 14 Residential ULFT Replacement Programs	Yes	Yes	No	Yes	-	-	-	-	-	No	-	1/5/2010	-	Yes

*C6: Wholesaler may also be a retailer (supplying water to end water users)

**C8, **C9, **, and C10: Agencies choosing an alternative conservation approach are responsible for achieving water savings equal or greater than that which they would have achieved using only BMP list.

(1) For details, please see: <http://www.cuwcc.org/mou/exhibit-1-bmp-definitions-schedules-requirements.aspx>.

(2) BMP is exempt based on cost-effectiveness, lack of funding, and lack of legal authority criteria as detailed in the CUWCC MOU

(3) Non MOU signatories must submit to DWR reports and supporting documents in the same format as CUWCC.

AB 1420 Self- Certification Statement Table 1

Note: Table 1 documents Status of Past and Current BMP implementation.

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Name of Signatory Title of Signatory Signature of signatory Date

Application Date:

Proposal Identification Number: CUVCC Member? Yes/No YES

Has Urban Water Supplier submitted a 2005 Urban Water Management Plan? Yes/No YES Is the UWM Plan Deemed Complete by DWR? Yes/No Yes

Applicant Name: Western Municipal Water District (wholesale area)

Project Title:

Applicant's Contact Information: Name: Tim Barr Phone: 951-296-6921 E-mail: tbarr@wmwd.com

Retailer (List Below)						Wholesaler (List Below)					

C2	C3	C4	C5	*C6	C7	**C8	**C9	**C10	C11	C12	C13	C14	C15	C16	C17	C18
BMPs required for Wholesale Supplier	BMPs required for Retail Supplier	BMPs	BMP Implemented by Retailers and/or Wholesalers / BMP			Compliance Options/Alternative Conservation Approaches (1)			BMP Is Exempt (2)			BMP Implementation Requirements Met				
			Retailer Yes/No	Wholesaler Yes/No	Regional Yes/No	BMP Checklist	Flex Track	Gallons Per Capita Per Day GPCD	Not Cost Effective	Lack of Funding	Lack of Legal Authority	CUWCC MOU Requirement Met: Retailer Yes/No	CUWCC MOU Requirement Met: Wholesaler Yes/No	Date of BMP Report Submitted to CUWCC for (2007-2008) (MOU Signatories)	Date BMP Implementation Data Submitted to DWR in CUWCC Format (Non MOU Signatories) (3)	All Supporting Documents have been Submitted Yes/No
	✓	BMP 1 Water Survey for Single/Multi-Family Residential Customers														
	✓	BMP 2 Residential Plumbing Retrofit														
✓	✓	BMP 3 System Water Audits, Leak Detection	Yes	No	No	Yes	-	-	-	-	-	No	-	Not Submitted. Awaiting update of CUWCC BMP Reporting Database. Data available to date for 07-08' is included in Attachment 6.	-	Yes
✓	✓	BMP 3 Leak Repairs	Yes	No	No	Yes	-	-	-	-	-	No	-	Not Submitted. Awaiting update of CUWCC BMP Reporting Database. Data available to date for 07-08' is included in Attachment 6.	-	Yes
	✓	BMP 4 Metering with Commodity Rates for All New connections														
	✓	BMP 4 Retrofit of Existing Connections														
	✓	BMP 5 Large Landscape Conservation Programs and Incentives														
	✓	BMP 6 High-Efficiency Washing Machine Rebate Programs														
✓	✓	BMP 7 Public Information	Yes	Yes	No	Yes	-	-	-	-	-	-	Yes	Not Submitted. Awaiting update of CUWCC BMP Reporting Database. Data available to date for 07-08' is included in Attachment 6.	-	Yes
✓	✓	BMP 8 School Education	Yes	Yes	No	Yes	-	-	-	-	-	-	Yes	Not Submitted. Awaiting update of CUWCC BMP Reporting Database. Data available to date for 07-08' is included in Attachment 6.	-	Yes
	✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts														
✓		BMP 10 Wholesale Agency Assistance Programs	Yes	Yes	No	Yes	-	-	-	-	-	-	Yes	Not Submitted. Awaiting update of CUWCC BMP Reporting Database. Data available to date for 07-08' is included in Attachment 6.	-	Yes
	✓	BMP 11 Conservation Pricing														
✓	✓	BMP 12 Conservation Coordinator	Yes	No	No	Yes	-	-	-	-	-	-	Yes	Not Submitted. Awaiting update of CUWCC BMP Reporting Database. Data available to date for 07-08' is included in Attachment 6.	-	Yes
	✓	BMP 13 Water Waste Prohibitions														
	✓	BMP 14 Residential ULFT Replacement Programs														

*C6: Wholesaler may also be a retailer (supplying water to end water users)

**C8, **C9, **, and C10: Agencies choosing an alternative conservation approach are responsible for achieving water savings equal or greater than that which they would have achieved using only BMP list.

(1) For details, please see: <http://www.cuwcc.org/mou/exhibit-1-bmp-definitions-schedules-requirements.aspx>.

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AB 1420 Self- Certification Statement Table 2

Provide Schedule, Budget, and Finance Plan to Demonstrate Commitment to Implement All BMP's to Become in Compliance with BMP Implementation - Commencing Within 1st Year of Agreement for Which Applicant Receives Funds.

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Name of Signatory _____ Title of Signatory _____ Signature of signatory _____ Date _____

Application Date:

Proposal Identification Number: _____ CUWCC Member? Yes/No Yes

Applicant Name: _____ Western Municipal Water District (retail area) Is the UWM Plan Deemed Complete by DWR? Yes/No Yes

Project Title: _____

Applicant's Contact Information: Name _____ Tim Barr Phone: _____ 951-296-6921 E-mail: _____ tbarr@wmwd.com

				Retailer (List Below)															
Participants:																			
C1	C2	C3	C4	C5	*C6	C7	C8	**C9	**C10	**C11	C12	C13	C14	C15	C16	C17	C18	C19	
CUWCC 2010 Flex Track BMPs	BMPs required for Wholesale Supplier	BMPs required for Retail Supplier	BMPs	BMP Implemented by Retailers and/or Wholesalers			Alternative Conservation Approaches Yes/No	Compliance Options / Alternative Conservation Approaches (1)			BMP is Exempt (2)			Implementation Scheduled to Commence within 1st Year of Agreement					
				Retailer Yes/No	Wholesaler Yes/No	Regional Yes/No		BMP Checklist	Flex Track	Gallons Per Capita Per Day GPCD	Not Cost Effective	Lack of Funding	Lack of Legal Authority	Start Date (MM/YR)	Completion Level (%)	BMP Completion Date (MM/YR)	Budget (Dollars)	Funding Source & Finance Plan to Implement BMPs	Meets CUWCC Coverage Yes/No
1. Utility Operations Programs																			
1.11	✓	✓	BMP 12 Conservation Coordinator	Yes	No	No	No	Yes	-	-	-	-	-	100%	-	-	-	Yes	
1.12		✓	BMP 13 Water Waste Prohibitions	Yes	No	No	No	Yes	-	-	-	-	-	100%	-	-	-	Yes	
1.13	✓	✓	BMP 10 Wholesale Agency Assistance Programs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1.20	✓	✓	BMP 3 System Water Audits, Leak Detection/Repair	Yes	No	No	No	Yes	-	-	-	-	-	Jul-11	0%	Jun-12	\$60,000 annual for retail and wholesale area to implement AWWA M36 method, conduct leak detection and repair, and replace underperforming meters.	WMWD	Yes
1.30		✓	BMP 4 Metering with Commodity Rates for All New/Retrofit of Existing connections	Yes	No	No	No	Yes	-	-	-	-	-	-	100%	-	-	Yes	
1.40		✓	BMP 11 Conservation Pricing	Yes	No	No	No	Yes	-	-	-	-	-	-	100%	-	-	Yes	
2. Educational Programs																			
2.10	✓	✓	BMP 7 Public Information	Yes	No	No	No	Yes	-	-	-	-	-	-	100%	-	-	Yes	
2.20	✓	✓	BMP 8 School Education	Yes	No	No	No	Yes	-	-	-	-	-	-	100%	-	-	Yes	
3. Residential																			
3.11		✓	BMP 1 Indoor Water Survey for Single/Multi-Family Residential Customers	Yes	No	No	No	-	Yes	-	-	-	-	Jul-11	0%	-	The majority of residential water demand is in landscape, program will be implemented as a Flextrack through residential outdoor programs.	-	Yes
3.12			BMP 1 Outdoor Water Survey for Single/Multi-Family Residential Customers	Yes	No	No	No	-	Yes	-	-	-	-	2009	15%	2016	Surveys: FY 09-10' Budget = \$129,000. Future annual budget is \$120,000. WBIC's, high-efficiency nozzles, turf rebates Budget: FY 08-09 Budget = \$170,000. FY 09-10 Budget = \$960,000. Future annual budget will be \$960,000.	WMWD	Yes
3.20		✓	BMP 2 Residential Plumbing Retrofit	Yes	No	No	No	-	Yes	-	-	-	-	Jul-11	0%	-	As majority of residential water demand is in landscape, program will be implemented as a Flextrack through residential outdoor programs.	-	Yes
3.30		✓	BMP 6 High-Efficiency Washing Machine Rebate Programs	No	Yes	No	No	Yes	-	-	-	-	-	2008	20%	2020	FY 09-10' Budget = \$30,000. Future annual budget will be \$30,000.	WMWD	Yes
3.40		✓	BMP 14 Residential ULFT Replacement Programs	Yes	Yes	No	No	Yes	-	-	-	-	-	2008	15%	2020	FY 08-09 Budget = \$25,000. AFY 09-10 Budget = \$30,000 AFY. Future annual budget will be \$30,000	WMWD	Yes
4. Commercial, Industrial, Institutions																			
4.00		✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts	Yes	Yes	No	No	Yes	-	-	-	-	-	2008	60%	2020	FY 09-10 Budget = \$65,340 Future annual budget will be \$60,000	WMWD	Yes
5. Landscape																			
5.00		✓	BMP 5 Large Landscape Conservation Programs and Incentives	Yes	No	No	-	-	Yes	-	-	-	-	2008	50%	2016	Non-dedicated irrigation meter accounts will be targeted through Flextrack program with residential outdoor programs. Dedicated irrigation meters will have water budgets in fall 2011.	WMWD	Yes

*C6: Wholesaler may also be a retailer (supplying water to end water users)

**C9, **C10, and **C11: Agencies choosing an alternative conservation approach are responsible for achieving water savings equal or greater than that which they would have achieved using only BMP list.

(1) For details, please see <http://www.cuwcc.org/mou/exhibit-1-bmp-definitions-schedules-requirements.aspx>.

(2) BMP is exempt based on cost-effectiveness, lack of funding, or lack of legal authority, as detailed in the CUWCC MOU.

AB 1420 Self- Certification Statement Table 2

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Name of Signatory _____ Title of Signatory _____ Signature of signatory _____ Date _____

Application Date:

Proposal Identification Number: _____ CUWCC Member? Yes/No ☐ Yes ☐ No

Applicant Name: _____ Western Municipal Water District (wholesale area) Is the UWM Plan Deemed Complete by DWR? Yes/No ☐ Yes ☐ No

Project Title:

Applicant's Contact Information: Name Phone: E-mail:

Retailer (List Below)																				
Participants:																				
C1	C2	C3	C4	C5	*C6	C7	C8	**C9	**C10	**C11	C12	C13	C14	C15	C16	C17	C18	C19		
CUWCC 2010 Flex Track BMPs	BMPs required for Wholesale Supplier	BMPs required for Retail Supplier	BMPs	BMP Implemented by Retailers and/or Wholesalers			Alternative Conservation Approaches Yes/No	Compliance Options / Alternative Conservation Approaches (1)			BMP is Exempt (2)		Implementation Scheduled to Commence within 1st Year of Agreement							
				Retailer Yes/No	Wholesaler Yes/No	Regional Yes/No		BMP Checklist	Flex Track	Gallons Per Capita Per Day GPCD	Not Cost Effective	Lack of Funding	Lack of Legal Authority	Start Date (MM/YR)	Completion Level (%)	BMP Completion Date (MM/YR)	Budget (Dollars)	Funding Source & Finance Plan to Implement BMPs	Meets CUWCC Coverage Yes/No	Funds Requested, if Available. (See AB 1420 Compliance Table 3) Yes/No
1. Utility Operations Programs																				
1.11	✓	✓	BMP 12 Conservation Coordinator	Yes	No	No	No	Yes	-	-	-	-	-	100%	-	-	-	Yes		
1.12		✓	BMP 13 Water Waste Prohibitions	No	No	No														
1.13	✓	✓	BMP 10 Wholesale Agency Assistance Programs	Yes	Yes	No	No	Yes	-	-	-	-	-	100%	-	-	-	Yes		
1.20	✓	✓	BMP 3 System Water Audits, Leak Detection/Repair	Yes	No	No	No	Yes	-	-	-	-	-	Jul-11	0%	Jun-12	\$60,000 annual for retail and wholesale area to implement AWWA M36 method, conduct leak detection and repair, and replace underperforming meters.	WMWD	Yes	
1.30		✓	BMP 4 Metering with Commodity Rates for All New Retrofit of Existing connections	No	No	No														
1.40		✓	BMP 11 Conservation Pricing	No	No	No														
2. Educational Programs																				
2.10	✓	✓	BMP 7 Public Information	Yes	No	No	No	Yes	-	-	-	-	-	100%	-	-	-	Yes		
2.20	✓	✓	BMP 8 School Educator	Yes	No	No	No	Yes	-	-	-	-	-	100%	-	-	-	Yes		
3. Residential																				
3.11		✓	BMP 1 Indoor Water Survey for Single/Multi-Family Residential Customers	No	No	No														
3.12			BMP 1 Outdoor Water Survey for Single/Multi-Family Residential Customers	No	No	No														
3.20		✓	BMP 2 Residential Plumbing Retrofit	No	No	No														
3.30		✓	BMP 6 High-Efficiency Washing Machine Rebate Programs	No	No	No														
3.40		✓	BMP 14 Residential ULFT Replacement Programs	No	No	No														
4. Commercial, Industrial, Institutions																				
4.00		✓	BMP 9 Conservation programs for Commercial, Industrial, and Institutional (CII) Accounts	No	No	No														
5. Landscape																				
5.00		✓	BMP 5 Large Landscape Conservation Programs and Incentives	No	No	No														

*C6: Wholesaler may also be a retailer (supplying water to end water users)

**C9, ** C10, and **C11: Agencies choosing an alternative conservation approach are responsible for achieving water savings equal or greater than that which they would have achieved using only BMP list.

(1) For details, please see <http://www.cuwcc.org/mou/exhibit-1-bmp-definitions-schedules-requirements.aspx>.

(2) BMP is exempt based on cost-effectiveness, lack of funding, or lack of legal authority, as detailed in the CUWCC MOU.

Western's Meter Testing and Replacement Policy



MEMORANDUM

TO: California Urban Water Conservation Council

FROM: Karly Gaynor, Water Resources Analyst

SUBJECT: **BMP 1.3**

This memo is to inform the CUWCC of Western Municipal Water District's meter testing and replacement policy.

1. Western uses the customer billing system to track all installed meters by size, type, date installed, customer account type, and warranty information.
2. Western has a yearly testing program of all meters for the wholesale division and all large meters over 3" for the retail division. These meters are tested annually and all necessary repairs are performed to maintain AWWA accuracy.
3. Western has an annual program to assess the performance of meters for our retail division. 10% of the meters from each read route are evaluated annually for accuracy. All necessary replacements are made based on the test results.

Ordinance 375

ORDINANCE 375

AN ORDINANCE OF THE WESTERN MUNICIPAL
WATER DISTRICT OF RIVERSIDE COUNTY
ESTABLISHING A LANDSCAPE WATER USE
EFFICIENCY PROGRAM PROVIDING COMPLIANCE
MEASURES IN SUPPORT OF STATE LANDSCAPE
MODEL ORDINANCE REQUIREMENTS

WHEREAS, the California Water Conservation in Landscaping Act, also known as the State Landscape Model Ordinance, has been implemented by a Statewide Landscape Task Force which was overseen by the California Urban Water Conservation Council. The California Water Conservation in Landscaping Act was amended pursuant to AB 2717 of 2004; and

WHEREAS, AB 1881 of 2006 requires local agencies, not later January 1, 2010, to adopt the updated model ordinance or an equivalent document which is "at least as effective as" the State Model Ordinance. In the event local agencies do not take such action, the State's version will be deemed to be automatically adopted by statute; and

WHEREAS, the Riverside County Water Task Force, a county-wide stakeholder group, has constructed a local water efficiency ordinance designed to meet the requirements and guidelines of the State Model Ordinance; and

WHEREAS, Western Municipal Water District ("Western") has adopted water management strategies including a Water Use Efficiency Master Plan outlining a host of projects and ordinance actions designed to increase overall water use efficiency throughout Western's service area as well as a Water Conservation and Supply Shortage Program designed to eliminate outdoor water waste at all stages of water supply; and

WHEREAS, enforcement of ordinances required by AB 1881 to be adopted by the County of Riverside, the City of Murrieta and the City of Riverside will require supportive measures of Western, a local water provider within these jurisdictions; and

WHEREAS, pursuant to California Water Code section 71610.5, Western may undertake a water conservation program to reduce water use and may require that reasonable water-saving devices and water reclamation devices be installed to reduce water use; and

WHEREAS, pursuant to California Water Code section 71640, Western may restrict the use of water during any emergency caused by drought, or other threatened or existing water shortage, and may prohibit the wastage of water or the use of water during such periods for any purpose other than household uses or such other restricted uses as Western determines to be necessary. Western may also prohibit use of water during such periods for specific uses which it finds to be nonessential. Pursuant to Water Code section 71641, Western may prescribe and define by ordinance the restrictions, prohibitions, and exclusions referred to in section 71640; and

WHEREAS, pursuant to California Water Code section 375, the Board is authorized to adopt and enforce a water conservation program to reduce the quantity of water used by persons within its jurisdiction for the purpose of conserving the water supplies of Western; and

WHEREAS, a notice of a public hearing regarding the proposed adoption of this Ordinance was published in the Press Enterprise, a newspaper of general circulation at least seven (7) days prior to the hearing; and

WHEREAS, a public hearing regarding the proposed adoption of this Ordinance was conducted on September 16, 2009 at 9:30 a.m., or as soon thereafter as practicable, as part of the regular meeting of the Board; and

WHEREAS, the Board of Directors has a long-standing policy of engaging in and encouraging efficient water management measures and practices and desires to adopt this Ordinance in order to provide supportive measures to facilitate the

enforcement of landscape conservation ordinances by the applicable city and/or the County; and

BE IT ORDAINED by the Board of Directors of the Western Municipal Water District of Riverside County as follows:

Section 1. SHORT TITLE

This Ordinance shall be known as the "Landscape Water Use Efficiency Program".

Section 2. INTENT

It is the intent of the Board in adopting this Program to:

- A. Establish provisions for water management practices and water waste prevention;
- B. Establish a structure for planning, designing, installing, maintaining, and managing water efficient landscapes in new construction and rehabilitated projects;
- C. To reduce the water demands from landscapes without a decline in landscape quality or quantity;
- D. To retain flexibility and encourage creativity through appropriate design;
- E. To assure the attainment of water-efficient landscape goals by requiring that landscapes not exceed a maximum water demand of seventy percent (70%) of its reference evapotranspiration (ET_0) or any lower percentage as may be required by Western policy or state legislation, whichever is stricter;
- F. To eliminate water waste from overspray and/or runoff;
- G. To achieve water conservation by raising the public awareness of the need to conserve water through education and motivation to embrace an effective water demand management program; and
- H. To implement the requirements to meet the state of California Water Conservation in Landscaping Act 2006 and the California Code of Regulations Title 23, Division 2, Chapter 2.7.

Section 3. DEFINITIONS

The terms used in this Program have the meaning set forth below:

- A. *Backfilling* - to refill an excavation, usually with excavated material
- B. *Backflow prevention device* - a safety device used to prevent pollution or contamination of the water supply

due to the reverse flow of water from the irrigation system.

- C. *Check valve or anti-drain valve* - a valve located under a sprinkler head or other location in the irrigation system to hold water in the system to prevent drainage from the sprinkler heads when the system is off.
- D. *Established landscape* - the point at which plants in the landscape have developed significant root growth into the site. Typically, most plants are established after one or two years of growth.
- E. *Estimated Annual Water Use or EAWU* - the estimated total water use per year as calculated using the formula contained in Section 6.B.3.
- F. *Evapotranspiration* - It is the loss of water to the atmosphere by the combined processes of evaporation from soil and plant surfaces, and transpiration from plant tissues. It is an indication of how much water a plant needs to sustain healthy growth. It is expressed as inches of water per time period.
- G. *Hydrozone* - a portion of the landscaped area having plants with similar water needs. A hydrozone may be irrigated or non-irrigated.
- H. *Invasive species* - non-indigenous species (both plants and animals) that adversely affect the habitats they invade economically, environmentally, or ecologically. Lists of invasive species are included within the Western Riverside County Multi-Species Habitat Conservation Plan and the Coachella Valley Multi-Species Habitat Conservation Plan (incorporated by reference). In addition, for the purposes of this Program, invasive species include other locally invasive species as further defined by a local lead agency.
- I. *Landscape architect* - a person who holds a license to practice landscape architecture in the state of California (Government Code Section 5615).
- J. *Landscaped Area or LA* - all of the planting areas, turf areas, and water features in a landscape design plan subject to the Maximum Applied Water Allowance (MAWA) calculation. The landscaped area does not include footprints of buildings or structures, sidewalks, driveways, parking lots, decks, patios, gravel or stone walks, other pervious or impervious hardscapes, and other non-irrigated areas designated for non-development (e.g., open spaces and existing native vegetation).
- K. *Local water purveyor* - any entity, including a public agency, city, county or private water company that provides retail water service to customers in Riverside County.
- L. *Low volume irrigation* - the application of irrigation water at low pressure through a system of tubing or

lateral lines and low-volume emitters such as drip, drip lines, and bubblers. Low volume irrigation systems are specifically designed to apply small volumes of water slowly at or near the root zone of plants.

- M. *Maximum Applied Water Allowance* or *MAWA* - the upper limit of annual applied water allowed for the established landscaped area as calculated using the formula contained in Section 6.B.2.
- N. *Overhead sprinkler irrigation systems* - systems that deliver water through the air (e.g., pop-ups, impact sprinklers, spray heads and rotors, etc.).
- O. *Reference evapotranspiration* or *ET_o* - *ET_o* is evapotranspiration from a standardized vegetation surface, such as well irrigated cool-season grass, in a particular location. It is given in inches per day, month, or year. Reference evapotranspiration is used as the basis of determining the Maximum Applied Water Allowances so that regional differences in climate can be accommodated. Reference evapotranspiration numbers shall be taken from the most current Evapotranspiration Zones Map by the California Department of Water Resources. For geographic areas not covered by the Evapotranspiration Zones Map, data from nearby areas shall be used.
- P. *Rehabilitated landscapes* - any re-landscaping project that requires a permit, plan check, or design review, and/or would meet the requirements of Section 4.
- Q. *Special landscape area* - an area of the landscape dedicated to edible plants, areas irrigated with recycled water, and publicly accessible areas dedicated to active play such as parks, sports fields, golf courses, where turf provides a playing field or where turf is needed for high traffic activities.
- R. *Temporarily irrigated* - irrigation for the purposes of establishing plants, or irrigation which will not continue after plant establishment. Temporary irrigation is for a period of six months or less.
- S. *Water intensive landscaping* - a landscape with a WUCOLS plant factor of 0.7 or greater.
- T. *WUCOLS* - the publication entitled "Water Use Classification of Landscape Species" by the University of California Cooperative Extension (1999 or most current version).

Section 4. APPLICABILITY

The water-efficient landscape requirements contained in this Program apply all existing properties with landscape areas one acre or greater in size and all properties served by a dedicated landscape irrigation meter.

Section 5. LANDSCAPE DOCUMENTATION PACKAGE REQUIREMENTS

An applicant proposing any new landscape that is subject to this Program as defined in Section 4 above, and designated for recycled water use, is advised that recycled water irrigation systems will entail additional coordination with Western, the land use agency and the maintenance entity's standards, approvals, and implementation requirements. Therefore, applicants shall consult with Western early in the development review process to ensure that future recycled water facilities meet the projected demand and that subsequent landscape plans comply with the applicable standards, approvals, and implementation requirements of Western, the land use agency, and maintenance entity.

Water systems for common open space areas shall use non-potable water if approved facilities are made available by Western. Provisions for a non-potable water system shall be provided within the landscape plan. Water systems designed to utilize non-potable water shall be designed to meet all applicable standards of the California Regional Water Quality Control Board and the Riverside County Health Department.

Section 6. LANDSCAPE WATER USE EFFICIENCY ENFORCEMENT

A. RESTRICTIONS. The following water conservation requirements are intended to avoid water waste and are effective at all times. These requirements shall be subject to change, from time to time, by the Board. For example, and not by way of limitation, the Board may revise or amend Western's Water Conservation and Supply Shortage Program from time to time.

1. Limits on Watering Hours: Watering or irrigating of lawn, landscape or other vegetated area with potable water, excluding agricultural crops grown for commercial sale, is prohibited between the hours of 8:00 a.m. and 8:00 p.m. on any day; except:
 - a. by use of a hand-held bucket or similar container,
 - b. a hand-held hose equipped with a positive self-closing water shut-off nozzle or device,
 - c. through permanently-installed low-volume point to point drip irrigation that is completely covered by an organic or inorganic mulch layer,
 - d. for very short periods of time for the express purpose of adjusting or repairing an irrigation system, or
 - e. for very short periods of time during the first three weeks of a new landscape's establishment period. Overhead irrigation shall be limited to the hours of 8:00 pm to 8:00 am.
2. No Excessive Water Flow or Runoff: Watering or irrigating of any lawn, landscape or other vegetated

area in a manner that causes or allows excessive water flow or runoff onto an adjoining sidewalk, driveway, street, alley, gutter or ditch is prohibited.

3. No Washing Down Hard or Paved Surfaces: Washing down hard or paved surfaces, including but not limited to sidewalks, walkways, driveways, parking areas, tennis courts, patios or alleys, is prohibited except when necessary to alleviate safety or sanitary hazards, and then only by use of a hand-held bucket or similar container, a hand-held hose equipped with a positive self-closing water shut-off device, a low-volume, high-pressure cleaning machine equipped to recycle any water used, or a low-volume high-pressure water broom.
4. Obligation to Fix Leaks, Breaks or Malfunctions: Excessive use, loss or escape of water through breaks, leaks or other malfunctions in the water user's plumbing or distribution system for any period of time after such escape of water should have reasonably been discovered and corrected and in no event more than four (4) days, is prohibited.

B. LANDSCAPE METER REQUIREMENTS

1. A separate dedicated meter is required for landscaped areas greater than or equal to 2,500 square-feet.
2. The efficient use of water shall be considered in the design of any new landscaped area. The Maximum Applied Water Allowance (MAWA) will be calculated for customers that request a new account using the following formula:

$$\text{MAWA (in gallons)} = (ET_o)(0.62)[(0.7 \times LA) + (0.3 \times SLA)]$$

Where:

ET_o is historic local reference evapotranspiration
 LA is total landscape area (including the SLA) in square feet
 SLA is the amount of special landscape area in square feet

- i. For the purposes of determining the Maximum Applied Water Allowance, average irrigation efficiency is assumed to be 0.71. Irrigation systems shall be designed, maintained, and managed to meet or exceed an average irrigation efficiency of 0.71.
3. Prior to the issuance of a meter, the new customer shall calculate the Estimated Annual Water Use (EAWU) for each landscaped area using the following formula:

$$\text{EAWU (in gallons)} = (ET_o)(0.62)[((PF \times HA)/IE) + SLA]$$

Where:

ET_o is reference evapotranspiration
PF is plant factor
HA is hydrozone area in square feet
IE is irrigation efficiency (minimum 0.71)
SLA is the amount of special landscape area in square feet

- i. Landscaping plans shall provide the EAWU (in the same units as the MAWA) for each landscaped area or hydrozone. The sum of all EAWU totals shall not exceed the MAWA for the project.
 - ii. The plant factor used shall be from WUCOLS. The plant factor for low water-use plants range from 0 to 0.3, for moderate water-use plants range from 0.4 to 0.6, and for high water-use plants range from 0.7 to 1.0.
 - iii. The plant factor calculation is based on the proportions of the respective plant water uses and their plant factor, or the plant factor of the higher water-using plant is used.
 - iv. The surface area of a water feature shall be included in the high water-use hydrozone area of the water budget calculation, and temporarily irrigated areas in the low water-use hydrozone.
4. For the new meter to be issued, the sum of the EAWU's for all landscaped areas of the project cannot exceed the MAWA for the project as calculated in Section 6.B.2 of the Program. Calculations shall be submitted to Western for review.
5. New accounts that have to comply with equivalent or more stringent water use efficiency measures imposed by another jurisdiction do not need to comply with the requirements of this section of the Program, but do need to provide information about the landscape area to Western.
- i. ENFORCEMENT. Western provides water efficiency audits, and surveys for all direct retail water customers to ensure water is being used efficiently. Western's authority includes the implementation of a water budget-based rate structure for all customers based on metrics described in the State Landscape Model Ordinance, the County Task Force Local Water Efficient Ordinance and the Maximum Annual Water Allowance formula detailed above for landscapes installed after January 1, 2010. Landscapes existing prior to January 1, 2010 and qualifying Special Landscape Areas will be given

landscape factors of 0.80 and 1.0 respectively, as outlined in the State Model Ordinance.

Section 7. CEQA COMPLIANCE

The Board hereby finds that this Ordinance is not subject to the California Environmental Quality Act (Public Resources Code Section 2100 et seq.) ("CEQA") pursuant to Section 15307 (the activity assures the maintenance, restoration, enhancement, or protection of a natural resource) and Section 15378(b)(2) (the activity is not a project as it involves general policy and procedure making) of the State CEQA Guidelines, California Code of Regulations, Title 14, Chapter 3, since it makes and implements policies and procedures for ensuring that water resources are conserved by reducing the water demands of landscaping.

Section 8. CONFLICTING PROVISIONS

If provisions of this Ordinance are in conflict with each other, other rules and regulations of Western, any other resolution or ordinance of Western, or any State law or regulation, the more restrictive provisions shall apply.

Section 9. SEVERABILITY

If any provision, section, subsection, sentence, clause or phrase or sections of this Ordinance, or the application of same to any person or set of circumstances, is for any reason held to be unconstitutional, void or invalid, the invalidity of the remaining portions of sections of this Ordinance shall not be affected, it being the intent of the Board in adopting this Ordinance that no portions, provisions, or regulations contained herein shall become inoperative, or fail by reason of the unconstitutionality of any other provision hereof, and all provisions of this ordinance are declared to be severable for that purpose.

Section 10. EFFECTIVE DATE AND PUBLICATION

This Ordinance shall be effective upon adoption. Within ten (10) days after its adoption, the Secretary shall cause this Ordinance to be published once pursuant to California Government Code section 6061 in full in a newspaper of general circulation which is printed, published, and circulated within Western. If there is no such newspaper, the Ordinance shall be posted within Western after its adoption in three public places.


Adopted by the Western Municipal Water District Board of Directors this 16th day of September, 2009.


THOMAS P. EVANS
President

September 16, 2009

ATTEST

I HEREBY CERTIFY that the foregoing is a full, true and correct copy of Ordinance 375 adopted by the Board of Directors of Western Municipal Water District of Riverside County at its regularly scheduled Board Meeting held September 16, 2009.


BRENDA DENNSTEDT
Secretary-Treasurer